

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: P647698

Luminaire Tested: **GALN-SA1A-835-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-835-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3781.1 lumens
Efficiency: N/A
Efficacy: 114.6 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

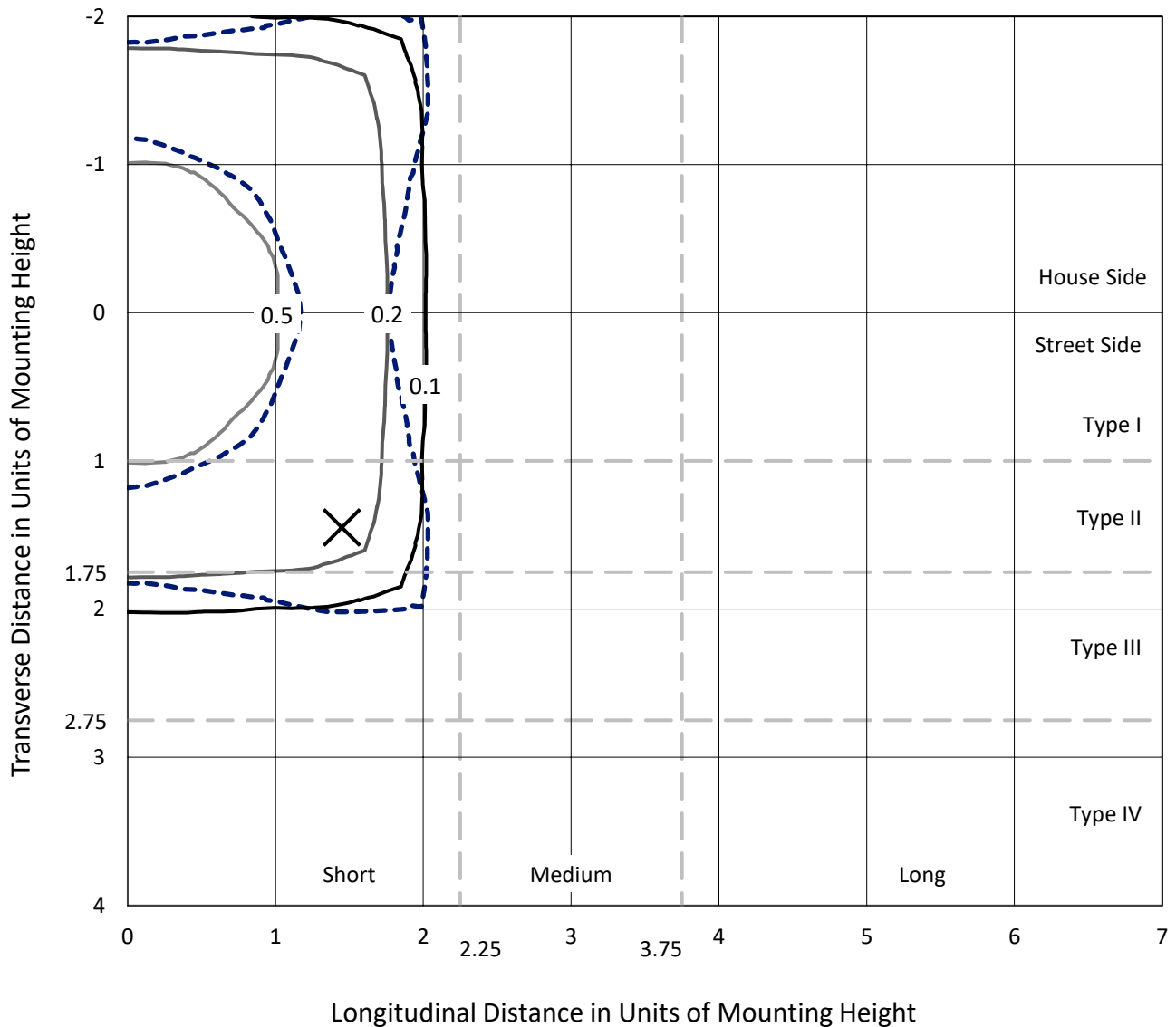
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

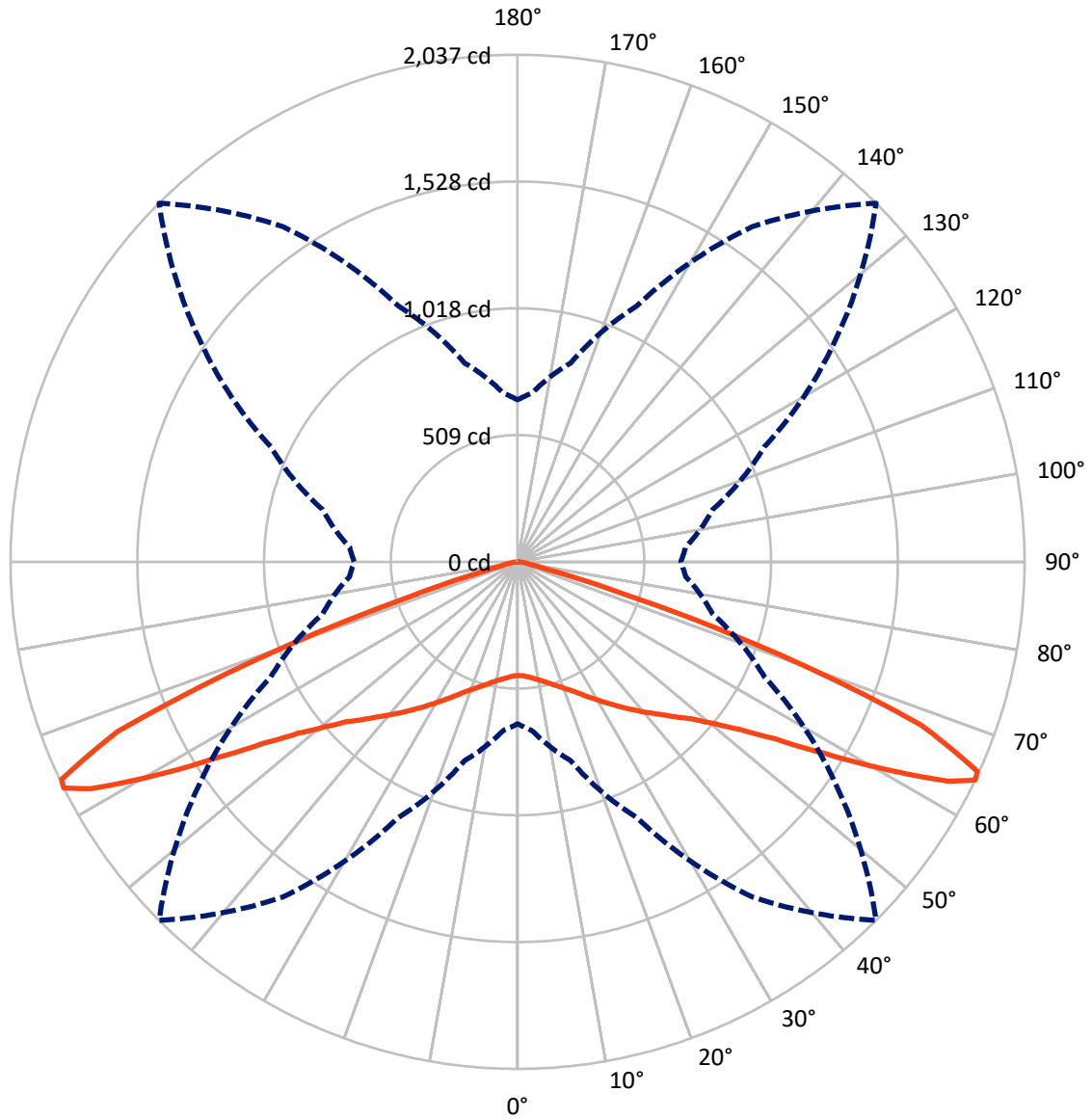
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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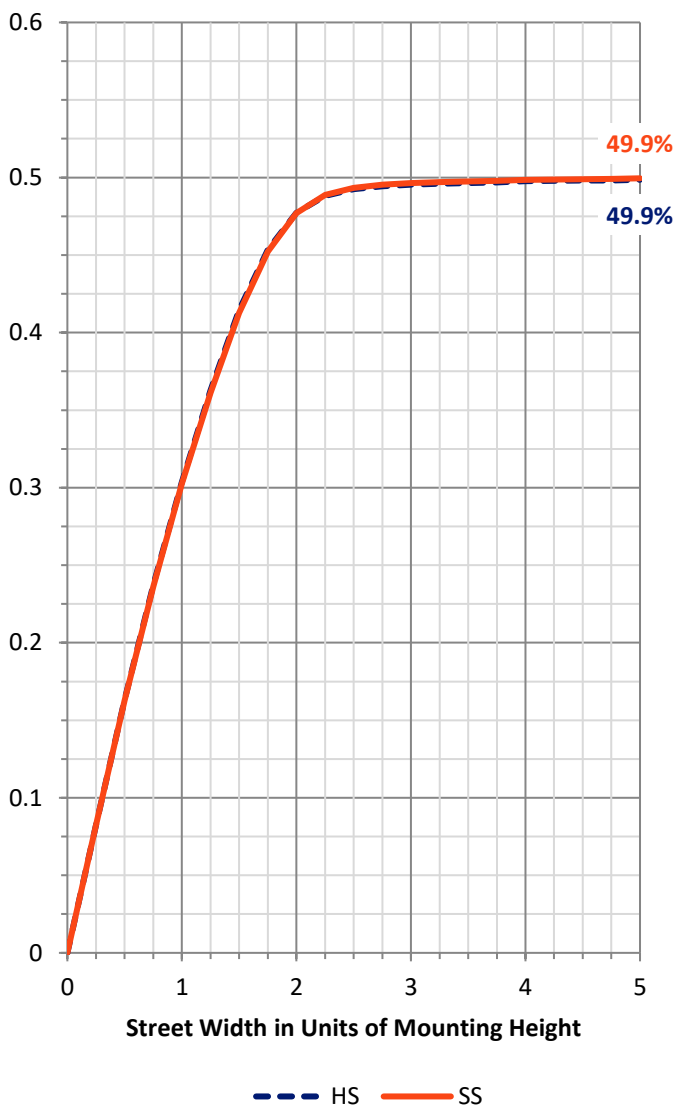
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1890.6	0.0	1890.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1890.6	0.0	1890.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3781.1	0.0	3781.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.2
10°-20°	144.8	3.8
20°-30°	273.7	7.2
30°-40°	453.2	12.0
40°-50°	707.6	18.7
50°-60°	1093.9	28.9
60°-70°	943.3	24.9
70°-80°	106.9	2.8
80°-90°	12.8	0.3
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°	3781.1	100.0
0°-180°	3781.1	100.0

Coefficient of Utilization

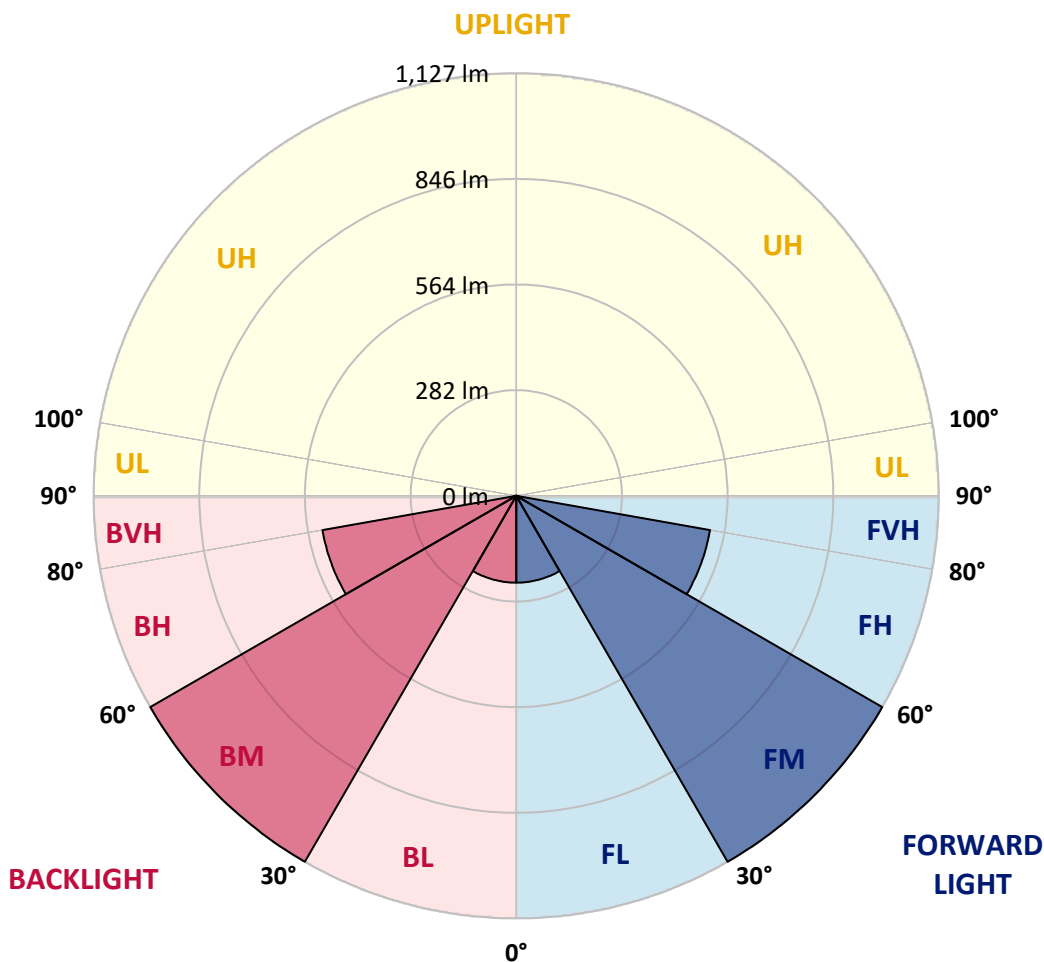


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.7	6.1			
FM (30°-60°)	1127.4	29.8			
FH (60°-80°)	525.1	13.9			G0/660
FVH (80°-90°)	6.4	0.2			G0/10
BL (0°-30°)	231.7	6.1	B1/500		
BM (30°-60°)	1127.4	29.8	B2/2500		
BH (60°-80°)	525.1	13.9	B2/1000		G0/660
BVH (80°-90°)	6.4	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°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0
2.5°	458.8	459.8	459.0	458.8	458.6	458.6	458.6	458.8	459.6	460.2	459.8
5°	464.6	465.4	465.0	464.8	464.6	464.8	464.4	464.2	464.8	464.8	464.6
7.5°	471.8	472.9	472.5	472.9	473.0	473.2	472.2	471.4	471.2	471.8	471.4
10°	481.6	482.4	482.6	482.9	483.3	483.0	481.9	480.4	480.2	480.1	479.8
12.5°	492.7	493.3	493.4	494.2	494.9	495.1	493.7	492.4	490.5	490.9	490.1
15°	505.1	506.3	506.1	507.3	508.9	509.3	507.9	505.9	504.1	503.1	502.5
17.5°	520.3	521.1	520.7	521.9	523.9	524.9	523.7	521.1	519.3	517.1	515.9
20°	538.3	539.7	540.1	540.1	541.9	542.9	541.1	540.3	537.5	535.9	534.9
22.5°	558.7	559.4	560.5	561.7	563.5	563.1	562.6	561.3	558.7	557.3	555.8
25°	581.8	582.4	585.4	588.0	588.6	588.2	587.4	586.8	584.4	581.1	580.0
27.5°	608.6	609.8	613.8	616.2	616.2	616.5	614.8	616.8	611.6	607.8	607.4
30°	642.3	643.1	646.4	648.9	647.7	646.7	646.3	648.2	642.7	635.9	634.2
32.5°	675.5	678.3	681.3	686.5	682.3	680.5	680.1	681.5	675.1	667.5	665.3
35°	711.1	713.2	718.8	723.2	719.3	715.2	717.0	721.4	713.8	703.5	703.1
37.5°	750.6	752.4	759.6	764.2	761.4	754.2	757.2	762.4	754.8	742.2	739.6
40°	791.7	795.4	804.5	809.3	804.7	795.1	800.7	806.3	799.4	784.9	779.0
42.5°	837.7	843.8	856.8	859.2	850.3	837.3	847.1	856.1	851.4	834.5	832.3
45°	891.6	895.2	911.3	916.4	904.2	888.0	900.2	916.7	913.1	893.6	889.4
47.5°	951.9	955.3	971.9	979.7	964.3	942.5	964.5	986.0	983.7	962.9	960.9
50°	1023.1	1023.9	1047.0	1055.8	1040.4	1021.6	1041.2	1067.9	1059.0	1032.4	1032.0
52.5°	1101.3	1102.3	1131.3	1148.3	1139.7	1118.5	1141.7	1158.0	1135.5	1100.7	1098.1
55°	1168.9	1174.0	1213.6	1258.9	1270.7	1255.3	1262.3	1254.7	1199.4	1150.5	1142.9
57.5°	1196.6	1206.4	1266.7	1351.2	1428.1	1450.9	1396.9	1324.4	1224.8	1155.7	1148.3
60°	1129.1	1139.7	1233.2	1393.7	1590.0	1689.1	1537.0	1336.2	1167.0	1069.8	1058.2
62.5°	904.2	907.2	1044.8	1293.8	1684.2	1941.0	1596.1	1235.4	998.6	866.5	861.9
64°	650.7	681.5	827.3	1134.3	1643.0	2036.9	1562.1	1094.2	811.1	677.5	655.8
65°	486.6	495.1	666.9	968.7	1570.3	2029.7	1496.0	959.3	671.7	518.5	494.5
67.5°	183.8	184.9	246.1	482.9	1117.9	1746.3	1141.7	521.9	283.0	204.7	197.2
70°	76.3	77.7	90.4	162.4	480.4	1121.3	550.5	188.2	103.5	83.9	82.7
72.5°	55.9	56.7	60.4	72.1	147.8	460.4	181.0	79.9	60.7	54.3	53.6
75°	43.8	44.2	47.1	53.1	68.9	127.6	75.3	54.9	46.3	41.7	41.3
77.5°	33.4	34.5	36.5	40.5	46.3	60.4	49.9	41.0	35.6	31.9	31.2
80°	23.0	24.2	28.0	29.7	31.0	39.2	34.1	31.0	27.9	23.3	21.8
82.5°	14.3	15.0	18.8	20.2	19.7	22.0	21.8	22.2	19.8	14.4	13.4
85°	7.4	7.8	10.2	10.6	9.8	9.0	11.2	13.0	12.2	8.2	8.0
87.5°	1.6	1.8	2.2	2.0	2.2	2.2	2.8	4.2	4.4	2.8	2.6
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)