

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: P526071

Luminaire Tested: **GALN-SA1A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2723 lumens
Efficiency: N/A
Efficacy: 82.5 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

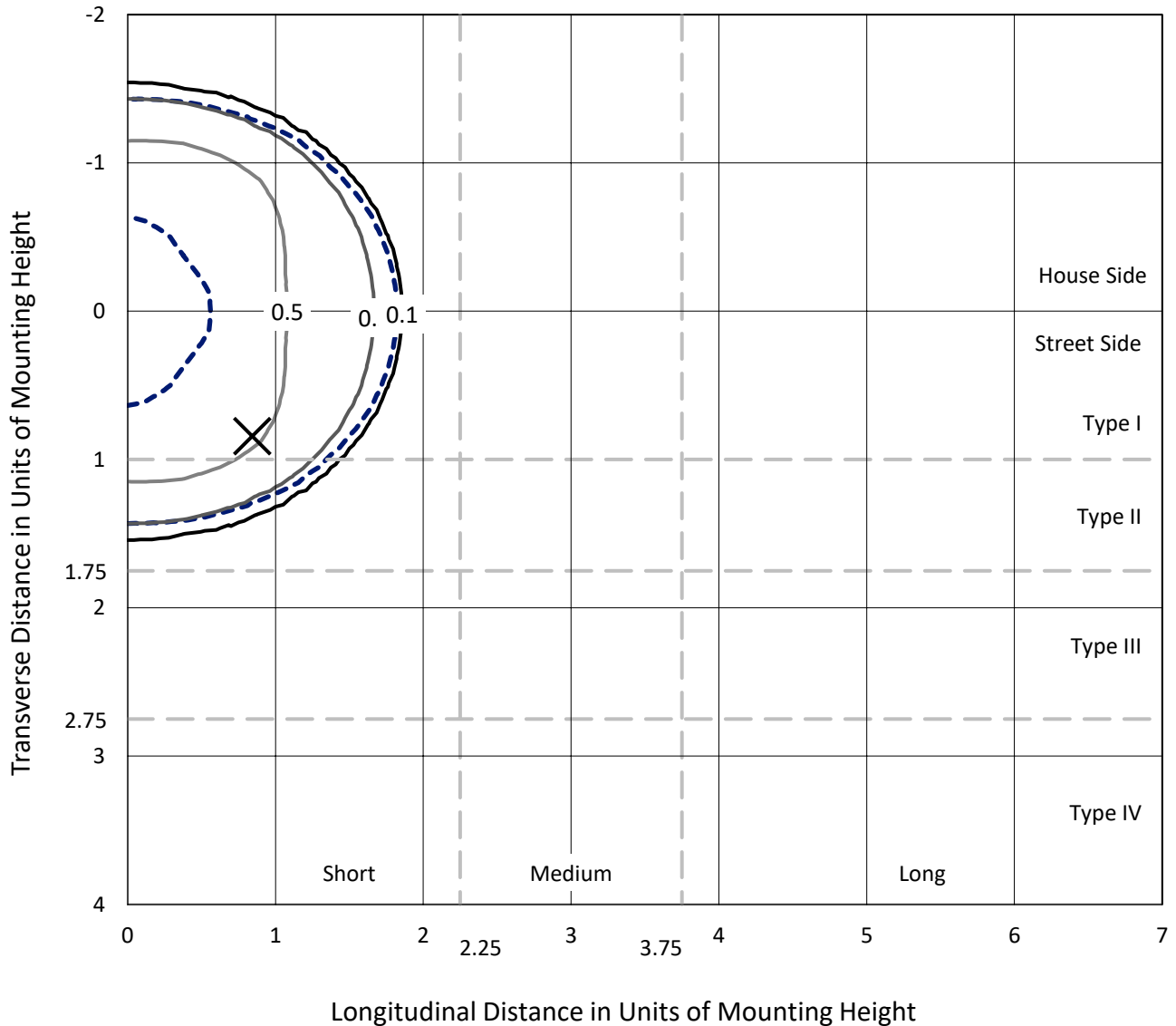
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

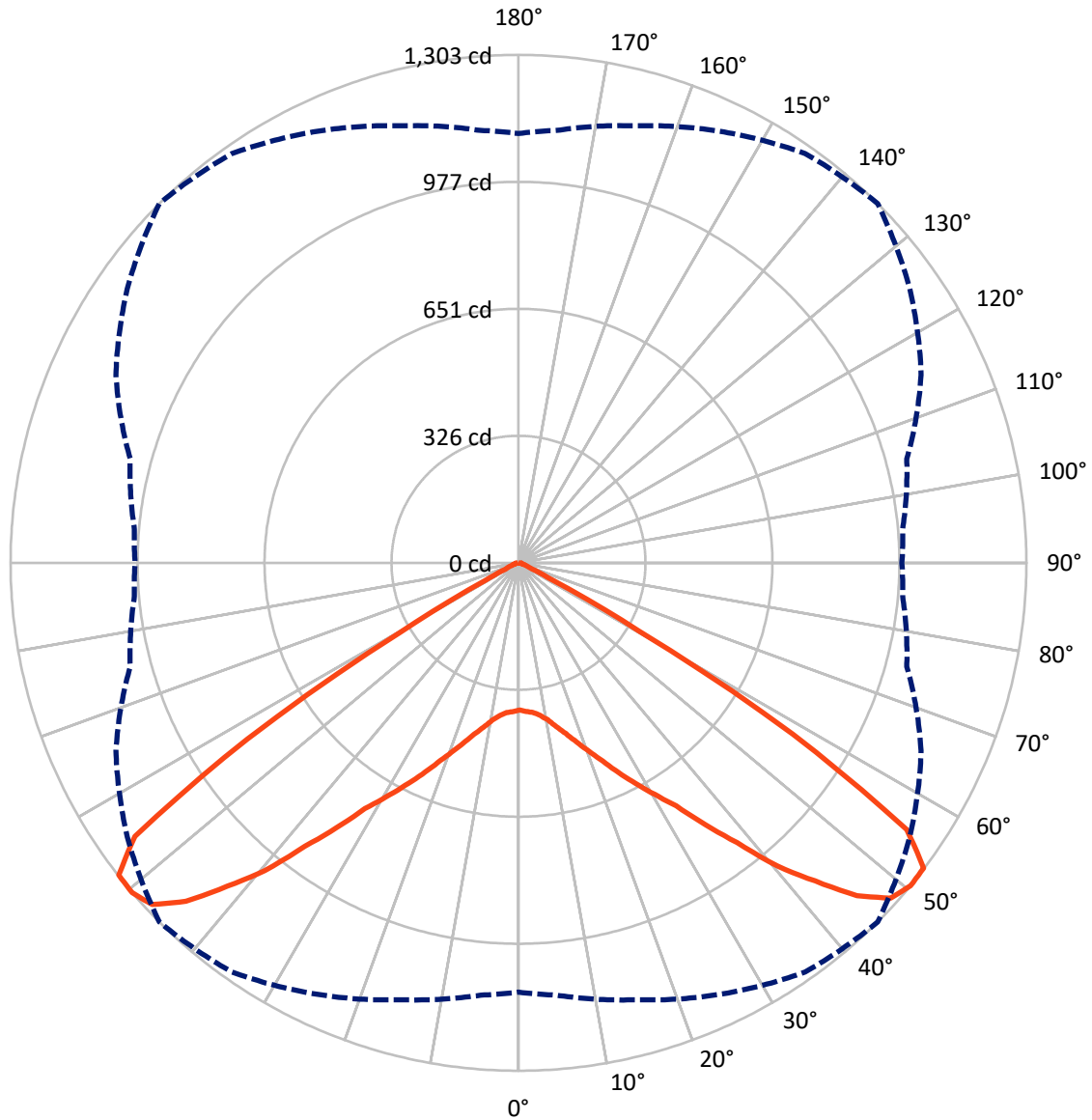
× Max cd
 - - - 1/2 Max cd



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 50-Deg Vertical

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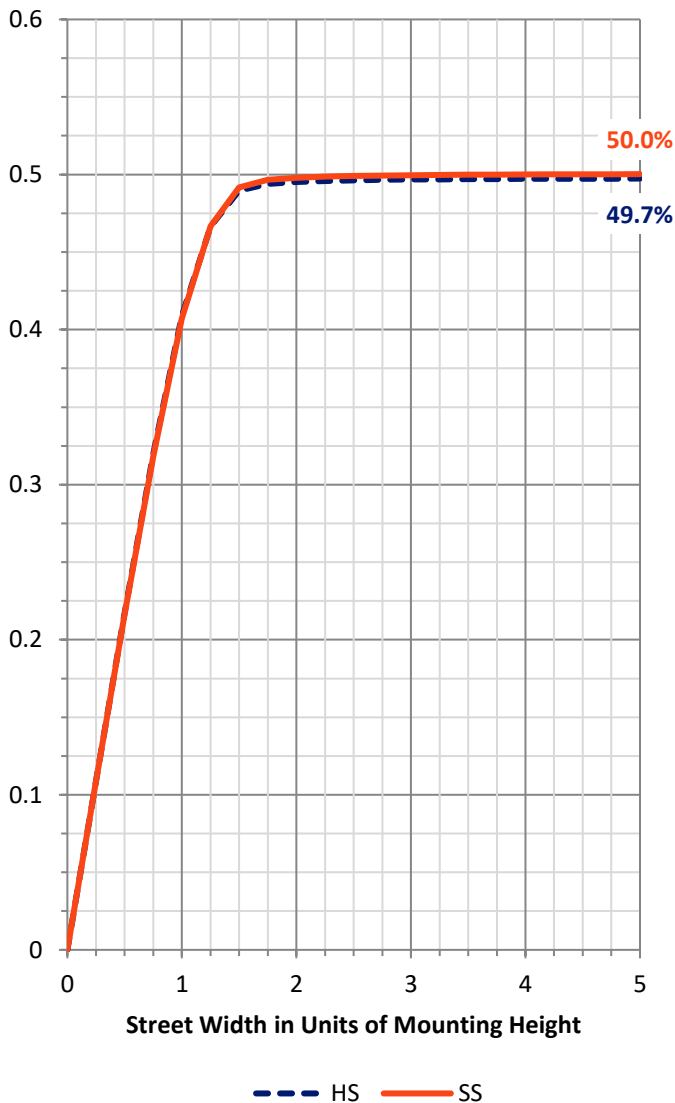
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1361.5	0.0	1361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1361.5	0.0	1361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2723.0	0.0	2723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.4
10°-20°	129.4	4.8
20°-30°	264.4	9.7
30°-40°	504.2	18.5
40°-50°	849.6	31.2
50°-60°	810.2	29.8
60°-70°	113.1	4.2
70°-80°	10.8	0.4
80°-90°	3.7	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°	2723.0	100.0
0°-180°	2723.0	100.0

Coefficient of Utilization

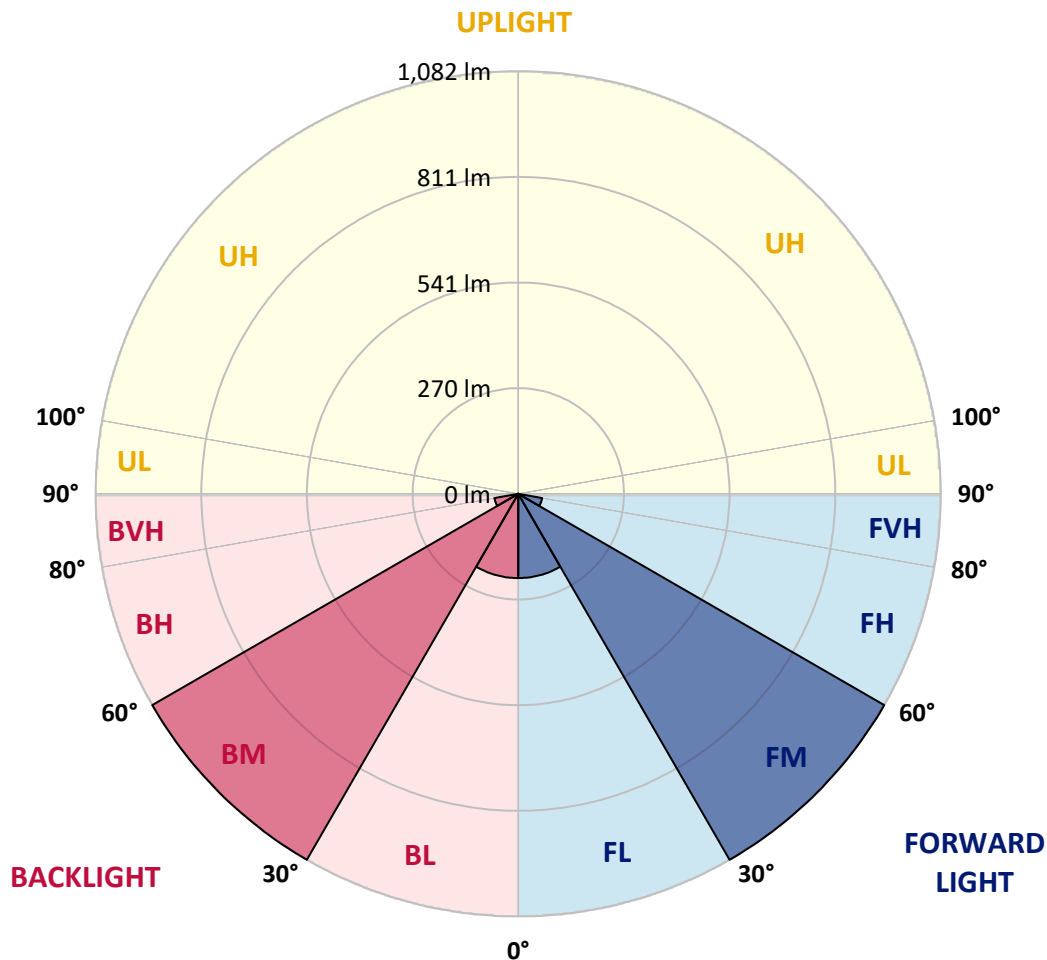


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.7	7.9			
FM (30°-60°)	1082.0	39.7			
FH (60°-80°)	62.0	2.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	215.7	7.9	B1/500		
BM (30°-60°)	1082.0	39.7	B2/2500		
BH (60°-80°)	62.0	2.3	B0/110		G0/660
BVH (80°-90°)	1.9	0.1			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°	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5
2.5°	376.1	376.1	375.7	379.3	377.5	381.6	381.2	382.6	383.9	383.5	387.1
5°	372.9	372.5	372.5	376.6	380.7	385.3	389.4	392.2	396.8	396.8	401.3
7.5°	376.1	373.8	377.1	378.9	386.7	394.5	401.3	406.8	417.4	421.0	419.7
10°	377.1	379.8	382.1	387.6	397.2	409.1	415.1	428.8	440.7	449.0	450.8
12.5°	383.0	387.1	393.5	406.8	415.5	431.1	439.4	452.7	469.1	478.3	484.7
15°	394.5	395.8	404.1	421.0	439.8	454.0	466.9	476.5	492.5	503.0	503.5
17.5°	409.1	415.1	426.5	442.6	462.3	483.3	493.4	504.0	509.9	524.1	527.3
20°	438.4	439.4	450.4	471.4	496.2	515.4	522.7	528.2	526.0	540.6	543.4
22.5°	465.9	466.9	480.6	509.0	535.6	552.1	555.3	552.1	545.2	555.7	556.6
25°	493.9	502.1	512.2	540.6	573.6	595.6	596.1	587.3	573.1	575.0	579.6
27.5°	537.4	543.4	553.9	580.0	616.2	640.9	636.8	626.3	608.0	609.3	608.0
30°	588.3	593.8	602.5	635.9	662.5	689.5	695.5	685.4	657.9	651.9	658.8
32.5°	649.7	657.4	673.5	704.2	726.6	743.1	747.2	743.6	717.9	715.6	720.2
35°	724.3	734.9	749.5	776.6	794.9	824.7	824.7	812.3	788.9	791.7	791.2
37.5°	803.1	818.7	841.6	869.1	893.8	909.9	904.8	894.3	870.9	865.0	870.9
40°	902.1	909.9	938.7	974.5	1004.7	1023.0	1001.5	978.6	922.7	931.4	947.5
42.5°	992.3	1004.7	1026.7	1066.1	1100.5	1115.6	1089.9	1044.6	977.2	970.4	982.3
45°	1069.3	1082.6	1111.5	1167.8	1204.0	1217.3	1160.5	1087.2	1010.2	992.8	997.8
47.5°	1120.6	1127.5	1167.8	1221.4	1254.4	1284.6	1203.1	1116.5	1025.8	992.8	991.0
50°	1100.9	1112.8	1160.0	1221.0	1281.0	1302.5	1224.6	1139.0	1030.8	988.7	983.2
52.5°	977.7	998.3	1051.0	1133.0	1223.7	1300.7	1254.4	1131.6	1029.0	992.8	1001.1
55°	680.3	680.8	744.9	865.9	1026.3	1207.7	1210.9	1139.9	1040.9	1018.5	1018.9
57.5°	273.5	287.3	336.3	457.7	605.7	829.2	985.9	1057.4	1042.3	1036.8	1051.0
60°	69.2	69.6	84.8	129.2	213.0	355.5	516.3	698.7	804.5	840.7	845.7
62.5°	35.3	35.7	39.4	45.8	58.2	95.3	169.5	268.9	382.6	440.3	455.4
65°	28.9	28.9	31.2	34.4	34.8	36.7	44.0	62.8	91.2	103.5	104.9
67.5°	22.0	22.0	23.8	25.7	26.6	26.1	25.2	26.1	31.6	30.2	29.3
70°	13.7	14.2	15.1	17.0	17.9	18.3	18.8	19.7	22.4	23.4	22.4
72.5°	8.2	8.2	8.7	10.1	11.5	12.4	13.7	14.7	16.0	18.3	17.9
75°	3.7	3.7	4.6	6.0	7.3	8.7	10.1	11.5	12.4	13.7	14.2
77.5°	0.9	1.4	2.3	4.1	5.5	7.3	9.2	10.5	11.5	11.5	11.0
80°	0.5	0.5	1.8	3.2	6.0	7.8	10.1	11.0	12.4	11.5	10.1
82.5°	0.5	0.5	1.8	3.2	5.5	7.8	10.5	11.9	12.8	11.5	9.6
85°	0.0	0.5	1.4	2.7	4.6	5.5	4.6	3.2	1.8	1.8	1.4
87.5°	0.0	0.0	0.5	0.5	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)