

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: P526072

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526072  
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-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 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: 3693 lumens  
Efficiency: N/A  
Efficacy: 111.9 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

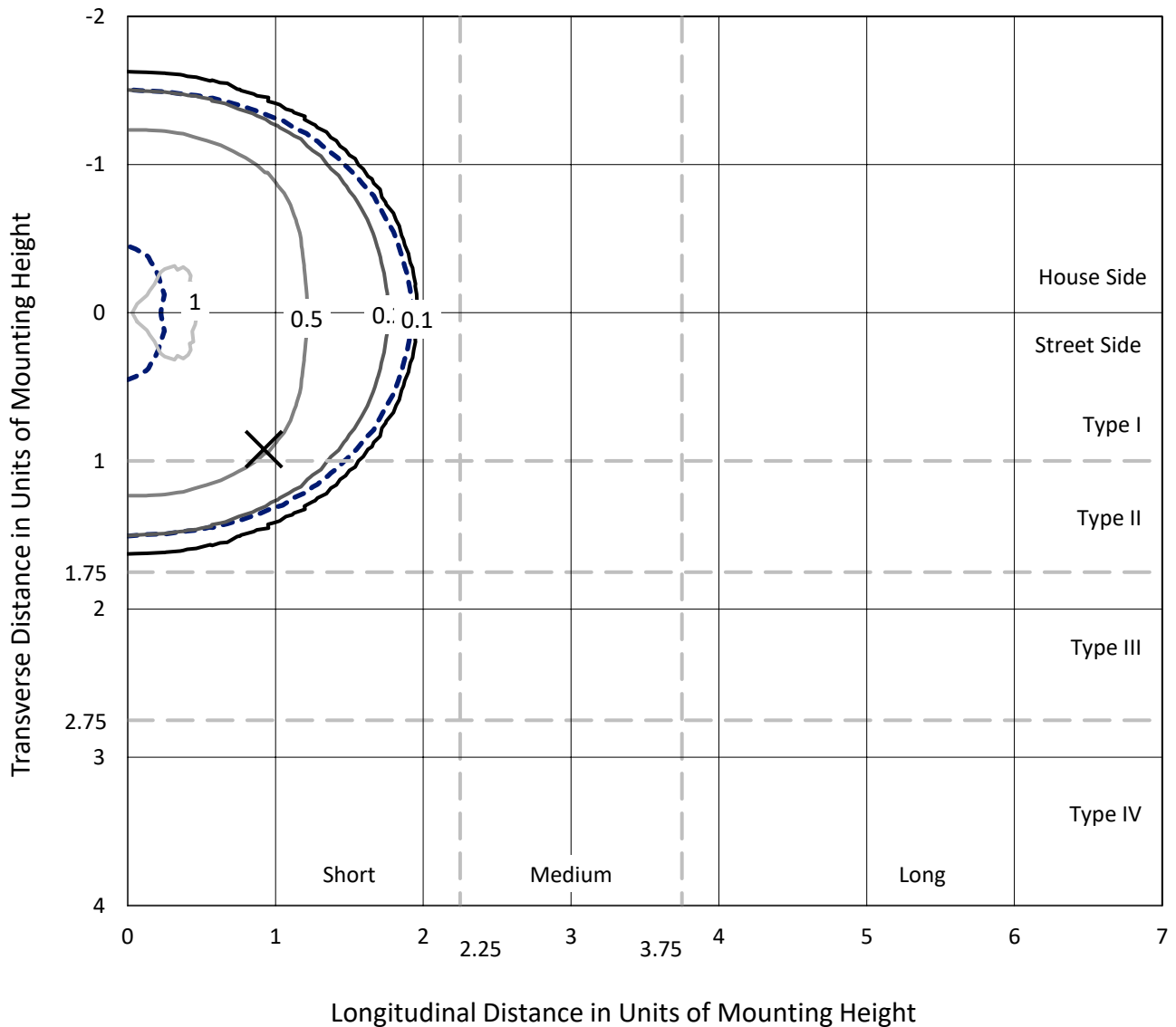
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

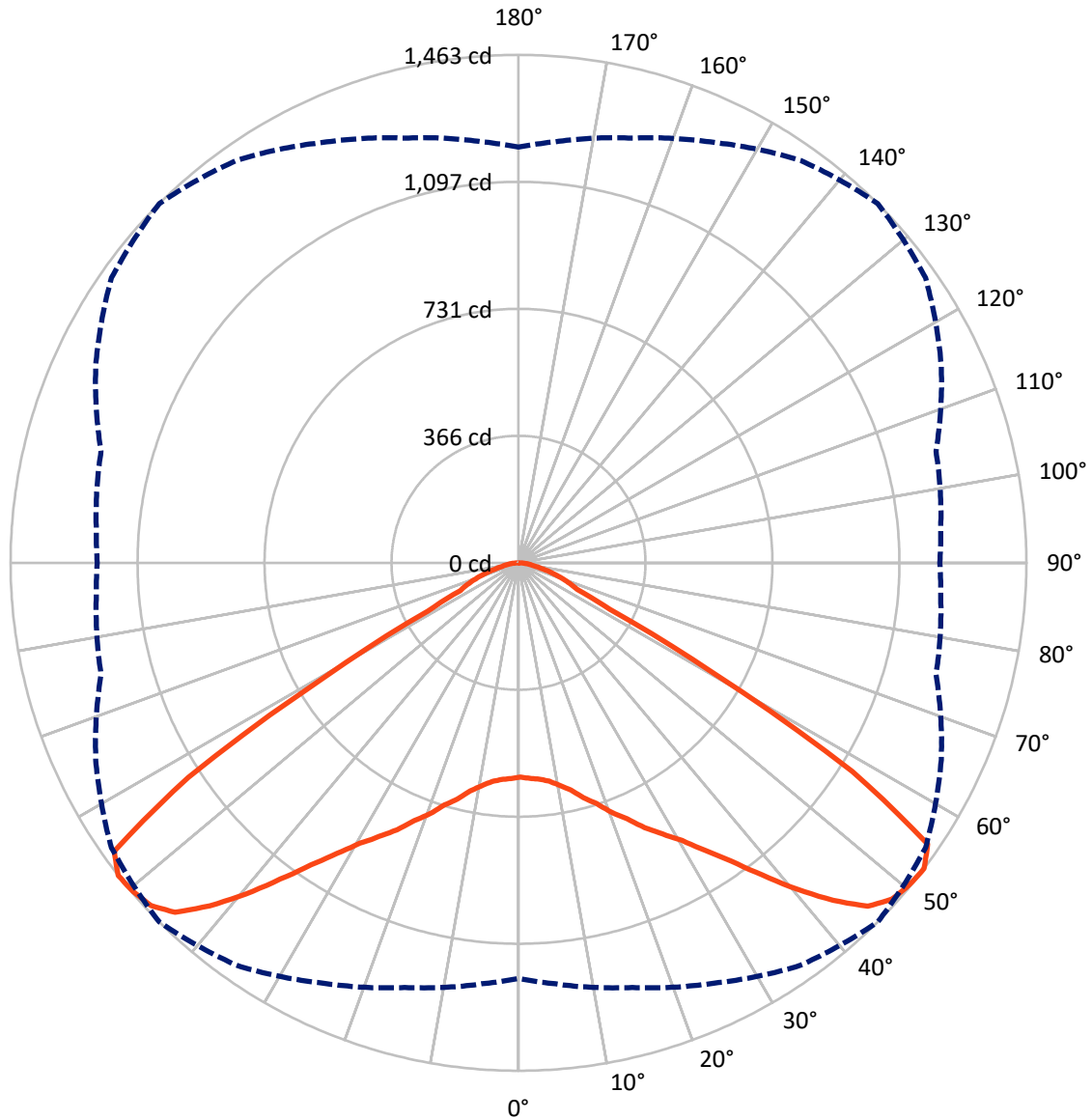
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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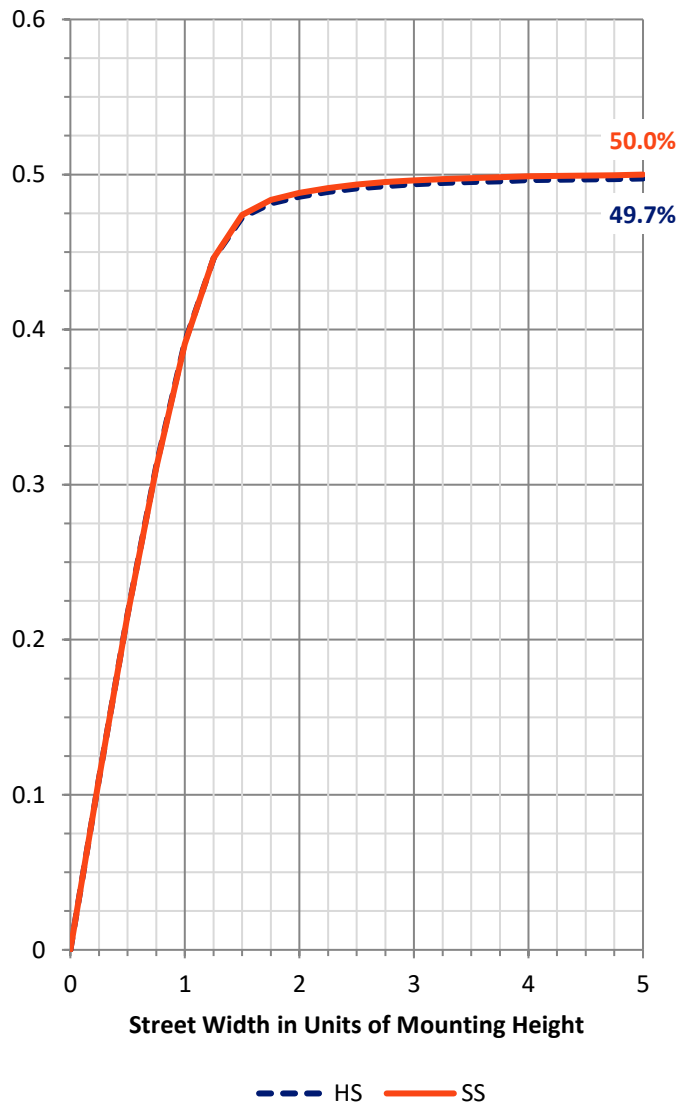
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1846.5	0.0	1846.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1846.5	0.0	1846.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3693.0	0.0	3693.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.6
10°-20°	199.3	5.4
20°-30°	379.4	10.3
30°-40°	651.5	17.6
40°-50°	1001.4	27.1
50°-60°	1016.9	27.5
60°-70°	283.4	7.7
70°-80°	83.6	2.3
80°-90°	16.8	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°	3693.0	100.0
0°-180°	3693.0	100.0

**Coefficient of Utilization**

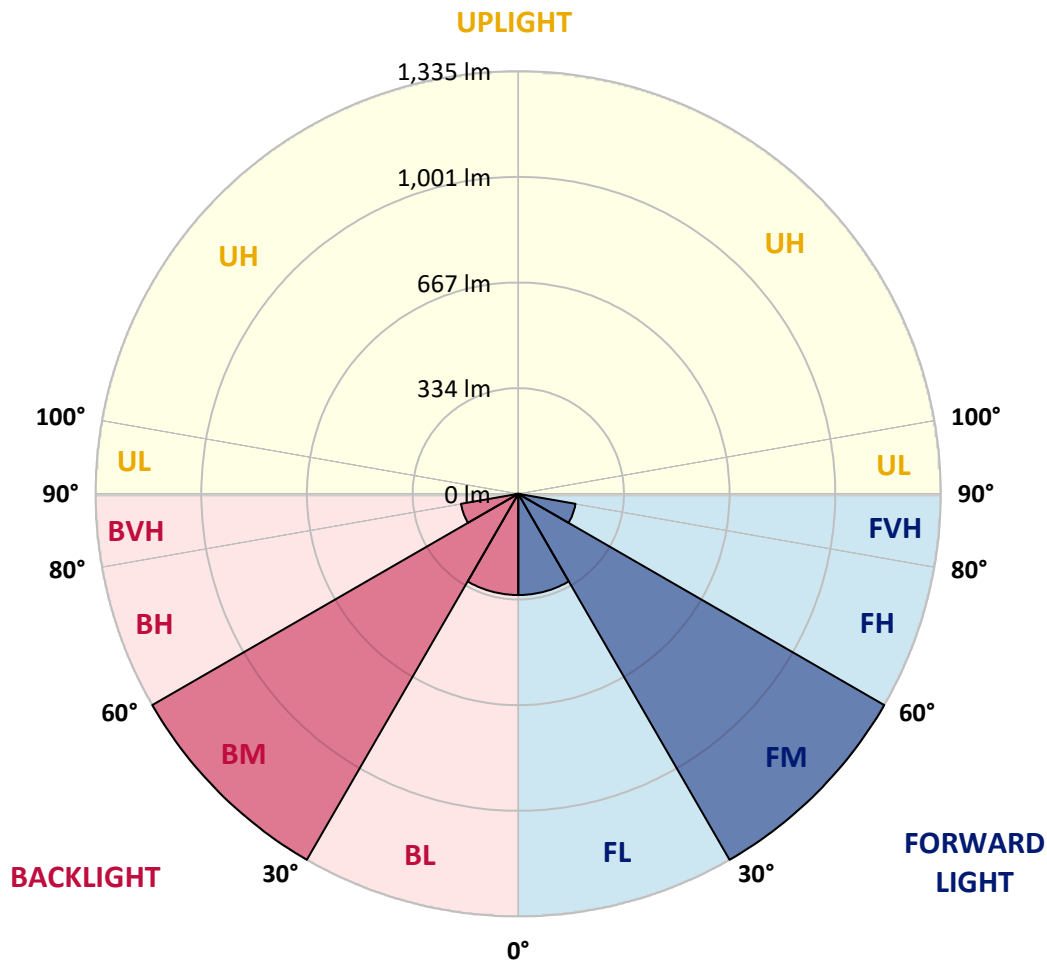


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.7	8.7			
FM (30°-60°)	1334.9	36.1			
FH (60°-80°)	183.5	5.0			G0/660
FVH (80°-90°)	8.4	0.2			G0/10
BL (0°-30°)	319.7	8.7	B1/500		
BM (30°-60°)	1334.9	36.1	B2/2500		
BH (60°-80°)	183.5	5.0	B1/500		G0/660
BVH (80°-90°)	8.4	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°	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3
2.5°	618.7	612.3	614.6	616.0	621.9	621.5	620.1	621.9	623.7	624.2	623.3
5°	618.3	613.7	615.5	616.9	622.8	626.0	625.1	632.9	638.4	637.0	643.9
7.5°	614.6	617.3	615.0	621.9	627.0	634.7	643.0	650.3	657.2	665.0	666.4
10°	622.8	622.8	627.0	632.5	645.7	651.7	663.6	674.2	687.5	696.6	693.0
12.5°	631.5	632.9	632.9	647.1	658.1	671.4	682.4	696.6	715.4	726.4	731.9
15°	640.2	641.2	645.7	665.0	681.5	702.6	712.7	725.5	736.0	756.7	757.1
17.5°	648.0	653.1	666.8	688.4	709.0	729.2	745.2	758.5	767.7	775.9	774.1
20°	677.4	681.0	695.2	716.8	747.5	767.2	772.7	775.0	780.9	797.4	792.4
22.5°	705.8	707.2	720.5	753.4	775.0	801.1	807.1	805.7	808.0	812.1	819.4
25°	735.1	737.4	755.7	783.7	813.9	845.1	850.2	839.6	836.4	841.0	841.4
27.5°	772.7	773.2	796.5	820.8	855.2	884.5	892.3	884.1	868.9	872.6	878.6
30°	820.4	817.2	840.5	875.4	911.6	928.1	941.4	937.2	920.7	917.5	912.5
32.5°	875.4	876.3	897.4	935.4	959.2	986.7	1000.9	994.1	983.5	978.0	981.2
35°	952.8	956.9	971.1	1002.8	1041.3	1055.0	1077.5	1062.8	1035.3	1042.2	1048.1
37.5°	1016.5	1028.4	1055.0	1092.6	1115.5	1140.7	1149.0	1129.3	1109.1	1100.8	1120.5
40°	1114.1	1110.5	1139.8	1177.4	1211.3	1236.5	1226.0	1206.3	1156.3	1156.8	1162.3
42.5°	1198.0	1199.8	1222.3	1267.2	1313.5	1329.1	1295.6	1247.5	1192.0	1186.1	1198.0
45°	1268.6	1275.9	1288.7	1348.8	1394.2	1411.1	1349.2	1292.4	1218.2	1193.4	1213.1
47.5°	1293.8	1305.7	1333.7	1388.7	1433.6	1447.3	1397.8	1316.2	1242.5	1202.1	1212.7
50°	1297.5	1293.3	1339.2	1389.6	1429.0	1458.8	1415.2	1333.7	1236.5	1215.4	1212.2
52.5°	1197.1	1217.3	1266.3	1335.5	1415.2	1462.9	1430.8	1343.3	1244.7	1220.9	1213.1
55°	968.9	945.0	1034.4	1150.8	1297.5	1429.9	1425.3	1348.3	1249.8	1230.1	1219.5
57.5°	540.8	547.7	598.1	724.6	913.9	1133.8	1267.2	1295.2	1247.5	1236.0	1241.5
60°	250.2	252.5	274.1	333.2	450.5	643.0	818.5	996.8	1078.8	1095.3	1095.3
62.5°	186.5	185.6	191.1	201.7	226.4	295.6	394.6	536.2	649.0	727.8	748.4
65°	168.7	168.2	170.9	174.6	176.4	186.1	208.1	251.6	288.3	309.4	305.7
67.5°	147.6	147.1	148.0	150.3	153.5	158.6	164.1	173.2	186.1	185.2	182.9
70°	119.2	119.2	120.5	122.4	126.0	132.0	138.4	144.8	155.8	158.1	157.7
72.5°	88.0	86.6	89.4	93.0	96.7	104.0	110.9	116.9	124.7	126.9	126.0
75°	55.9	56.8	58.7	62.8	69.2	74.2	81.6	86.6	91.7	93.5	94.0
77.5°	31.2	32.1	35.3	40.3	46.7	52.2	58.7	62.8	66.0	66.5	66.9
80°	18.8	19.2	22.5	27.0	32.5	38.5	43.5	47.7	50.4	49.0	48.6
82.5°	11.5	11.9	14.7	18.8	23.4	28.0	33.5	37.1	39.9	38.0	36.2
85°	6.0	6.4	8.7	11.5	15.1	17.4	17.4	15.6	15.1	14.2	13.7
87.5°	1.8	1.8	2.3	2.7	2.3	2.7	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)