

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: P651667

Luminaire Tested: **GALN-SA1A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651667  
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-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 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: 3409.4 lumens  
Efficiency: N/A  
Efficacy: 103.3 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

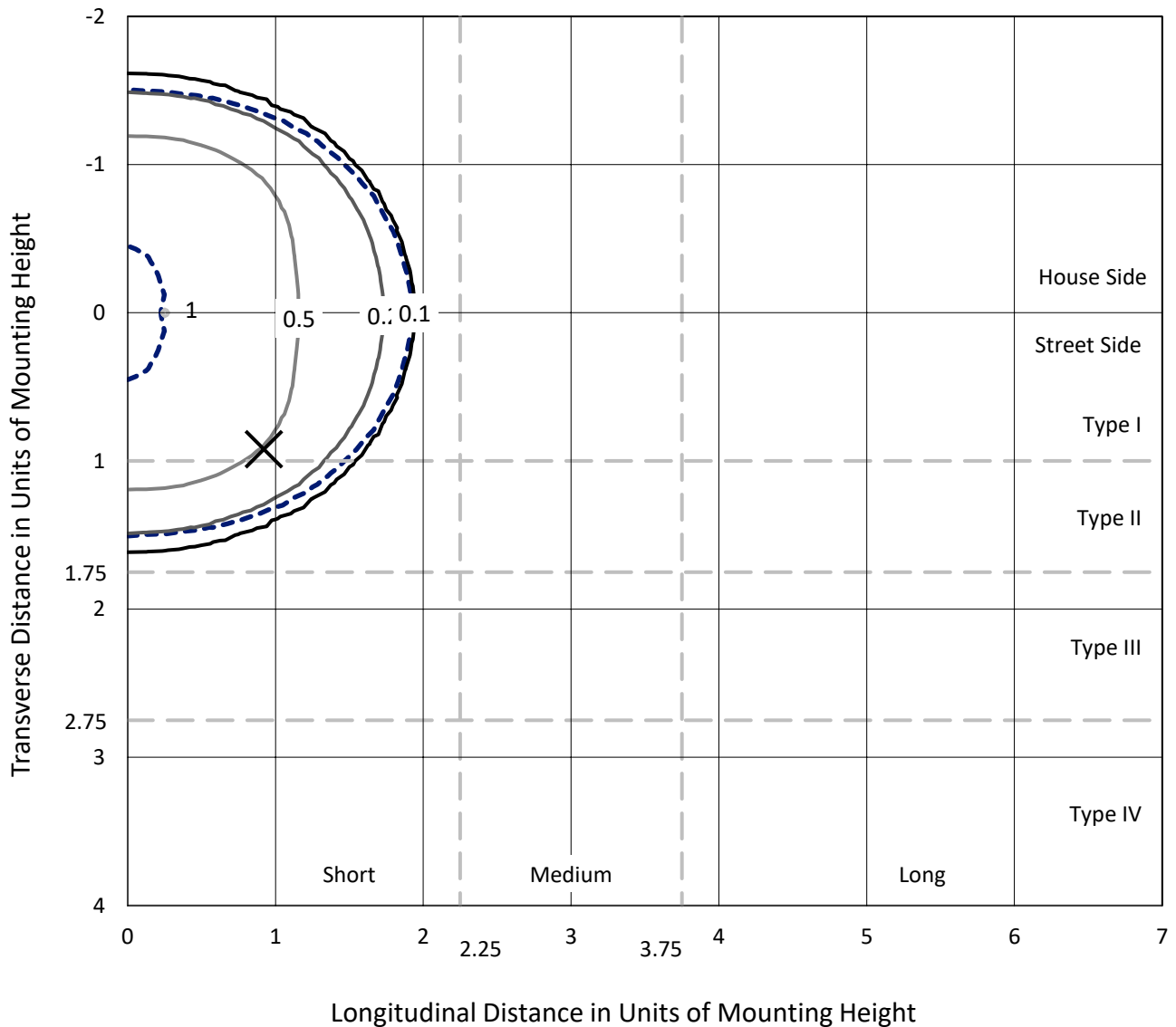
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

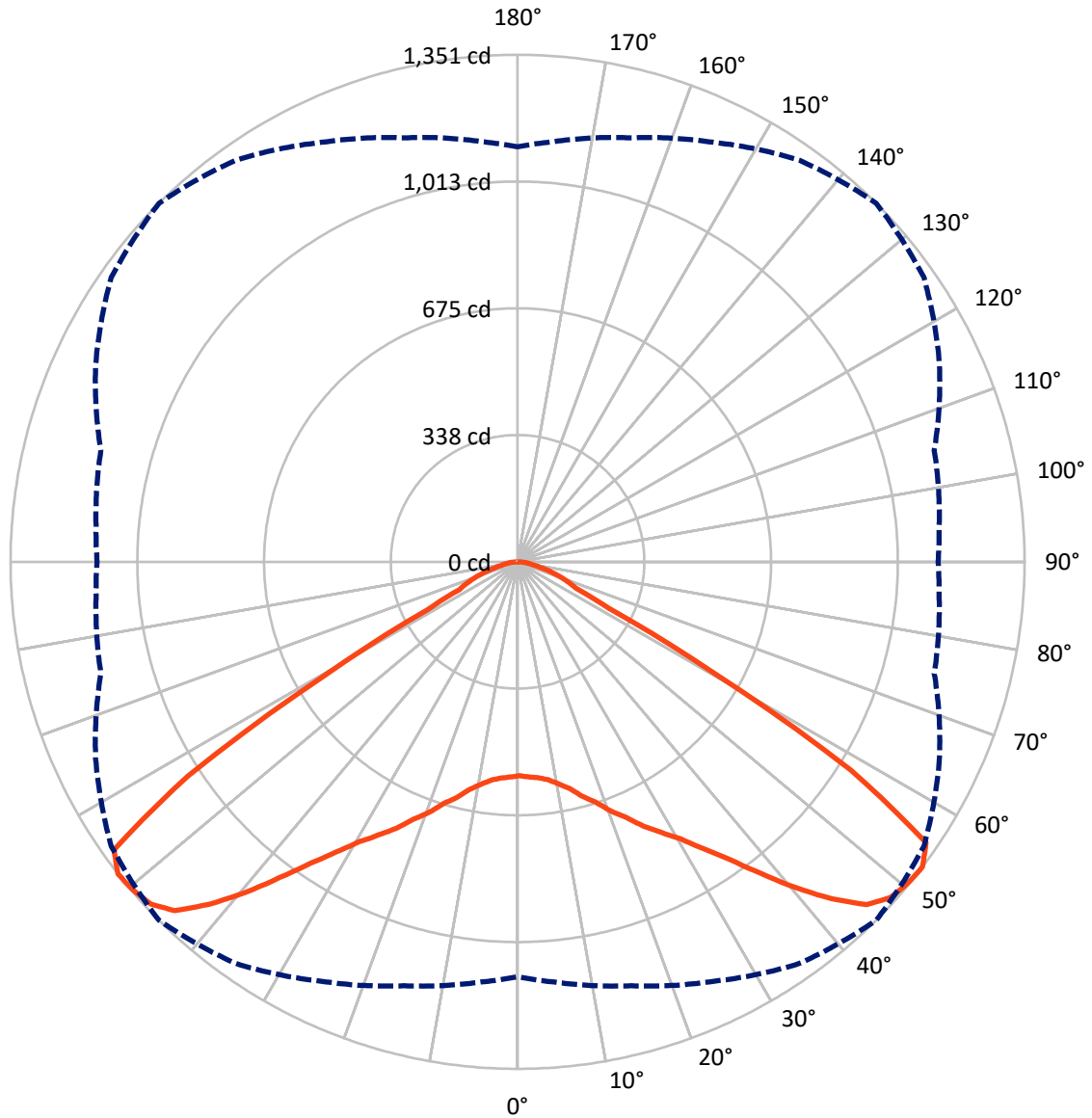
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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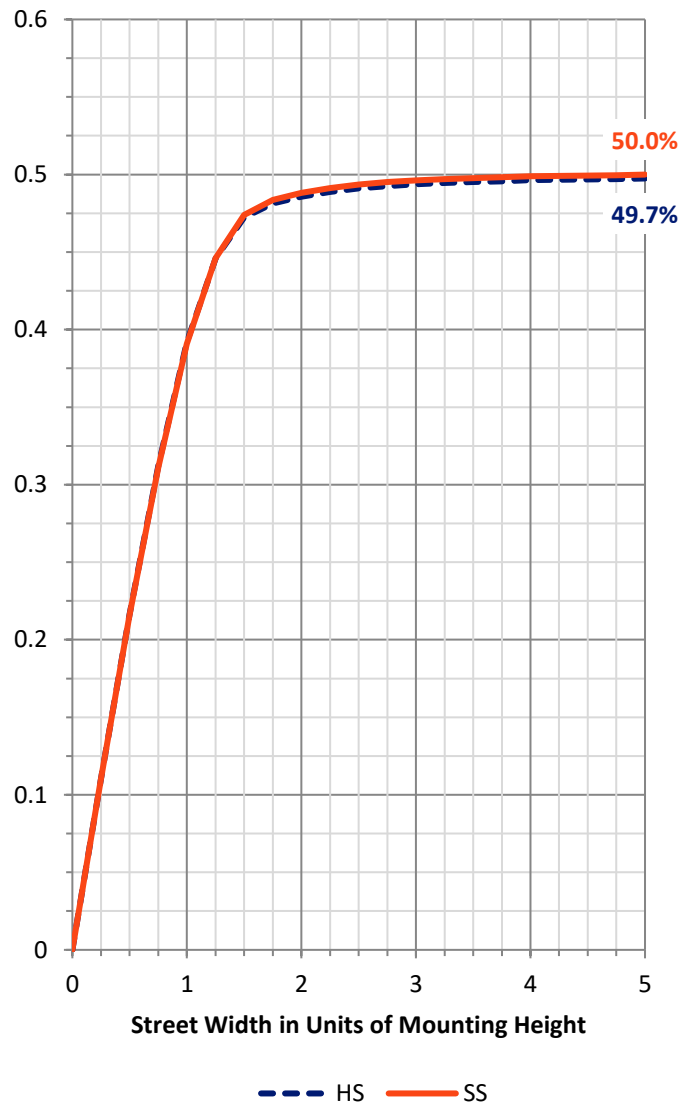
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1704.7	0.0	1704.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1704.7	0.0	1704.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3409.4	0.0	3409.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	1.6
10°-20°	184.0	5.4
20°-30°	350.3	10.3
30°-40°	601.5	17.6
40°-50°	924.5	27.1
50°-60°	938.8	27.5
60°-70°	261.6	7.7
70°-80°	77.2	2.3
80°-90°	15.5	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°	3409.4	100.0
0°-180°	3409.4	100.0

**Coefficient of Utilization**



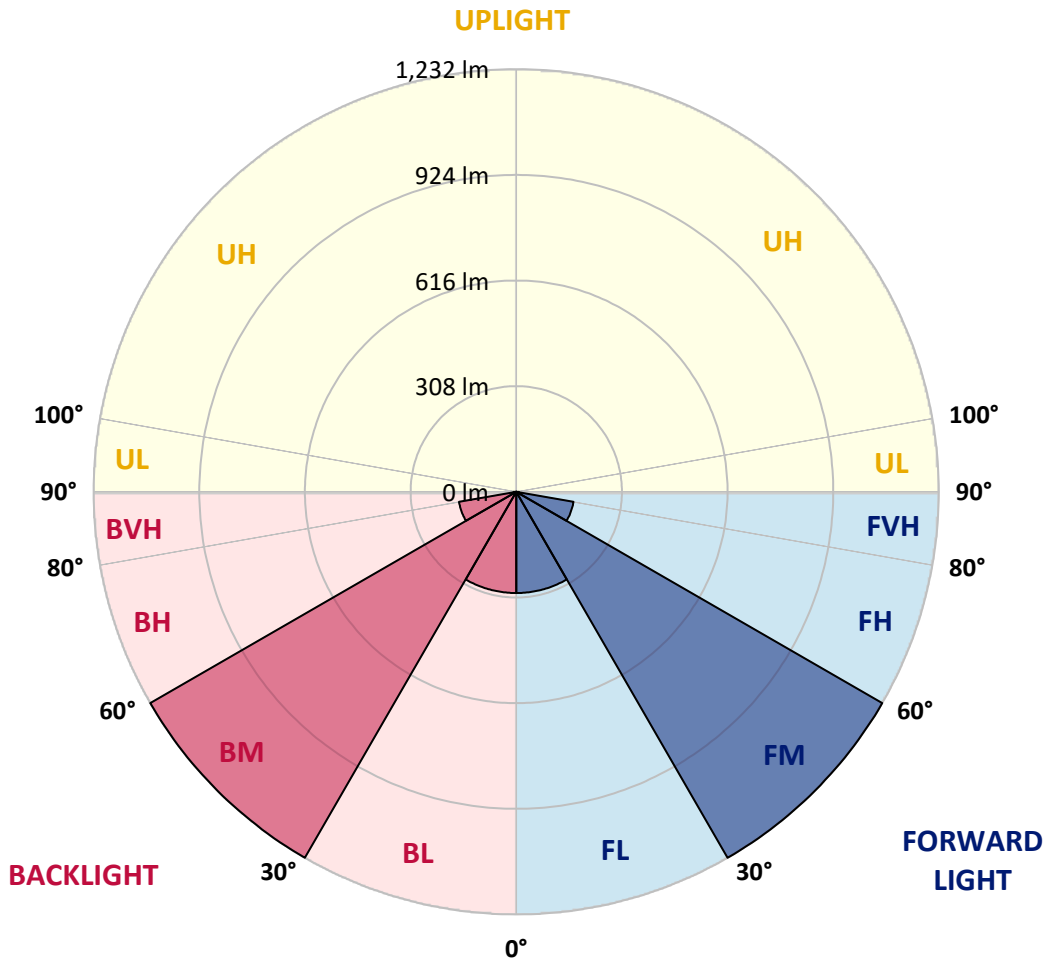
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.1	8.7			
FM (30°-60°)	1232.4	36.1			
FH (60°-80°)	169.4	5.0			G0/660
FVH (80°-90°)	7.8	0.2			G0/10
BL (0°-30°)	295.1	8.7	B1/500		
BM (30°-60°)	1232.4	36.1	B2/2500		
BH (60°-80°)	169.4	5.0	B1/500		G0/660
BVH (80°-90°)	7.8	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°	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
2.5°	571.2	565.2	567.4	568.7	574.2	573.7	572.5	574.2	575.8	576.3	575.4
5°	570.8	566.6	568.3	569.5	575.0	577.9	577.1	584.3	589.4	588.1	594.5
7.5°	567.4	569.9	567.8	574.2	578.8	586.0	593.7	600.4	606.7	613.9	615.2
10°	575.0	575.0	578.8	583.9	596.2	601.7	612.7	622.4	634.7	643.1	639.7
12.5°	583.1	584.3	584.3	597.4	607.6	619.8	630.0	643.1	660.4	670.6	675.7
15°	591.1	591.9	596.2	613.9	629.2	648.7	657.9	669.8	679.5	698.5	699.0
17.5°	598.3	602.9	615.6	635.5	654.6	673.1	687.9	700.2	708.7	716.4	714.6
20°	625.4	628.7	641.9	661.8	690.1	708.3	713.3	715.4	721.0	736.2	731.6
22.5°	651.6	652.9	665.1	695.6	715.4	739.6	745.1	743.9	746.0	749.8	756.5
25°	678.7	680.8	697.7	723.5	751.4	780.2	784.9	775.1	772.2	776.4	776.8
27.5°	713.3	713.8	735.4	757.8	789.5	816.6	823.8	816.2	802.2	805.6	811.1
30°	757.4	754.4	776.0	808.1	841.6	856.8	869.1	865.2	850.0	847.1	842.4
32.5°	808.1	809.0	828.5	863.5	885.6	911.0	924.1	917.7	908.0	902.9	905.8
35°	879.7	883.5	896.6	925.8	961.3	974.0	994.7	981.2	955.8	962.2	967.7
37.5°	938.5	949.5	974.0	1008.7	1029.9	1053.1	1060.8	1042.5	1023.9	1016.3	1034.5
40°	1028.5	1025.2	1052.3	1087.0	1118.3	1141.6	1131.8	1113.7	1067.5	1067.9	1073.0
42.5°	1106.0	1107.7	1128.5	1169.9	1212.6	1227.0	1196.2	1151.7	1100.5	1095.0	1106.0
45°	1171.2	1177.9	1189.8	1245.2	1287.1	1302.8	1245.6	1193.2	1124.6	1101.8	1120.0
47.5°	1194.5	1205.4	1231.2	1282.0	1323.5	1336.2	1290.5	1215.2	1147.0	1109.8	1119.5
50°	1197.8	1194.1	1236.4	1282.9	1319.3	1346.8	1306.6	1231.2	1141.6	1122.1	1119.1
52.5°	1105.2	1123.7	1169.1	1232.9	1306.6	1350.6	1321.0	1240.1	1149.1	1127.2	1120.0
55°	894.5	872.5	955.0	1062.4	1197.8	1320.1	1315.8	1244.8	1153.9	1135.6	1125.9
57.5°	499.3	505.6	552.1	668.9	843.7	1046.8	1169.9	1195.7	1151.7	1141.2	1146.2
60°	231.0	233.1	253.1	307.6	416.0	593.7	755.6	920.2	996.0	1011.2	1011.2
62.5°	172.2	171.4	176.4	186.2	209.0	272.9	364.3	495.0	599.1	671.9	691.0
65°	155.7	155.2	157.9	161.2	162.9	171.8	192.1	232.3	266.2	285.6	282.2
67.5°	136.2	135.8	136.7	138.8	141.7	146.4	151.5	160.0	171.8	171.0	168.8
70°	110.0	110.0	111.3	112.9	116.4	121.9	127.7	133.7	143.9	146.0	145.6
72.5°	81.2	80.0	82.5	85.9	89.3	96.0	102.4	107.9	115.0	117.2	116.4
75°	51.6	52.5	54.2	57.9	63.9	68.5	75.4	80.0	84.6	86.3	86.7
77.5°	28.8	29.6	32.5	37.3	43.1	48.3	54.2	57.9	60.9	61.3	61.8
80°	17.3	17.7	20.8	25.0	30.0	35.6	40.2	44.0	46.5	45.2	44.8
82.5°	10.6	11.0	13.5	17.3	21.6	25.8	30.9	34.3	36.8	35.2	33.4
85°	5.5	5.9	8.1	10.6	14.0	16.1	16.1	14.4	14.0	13.1	12.7
87.5°	1.7	1.7	2.1	2.5	2.1	2.5	2.9	3.4	3.4	3.8	3.4
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)