

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P526432

Luminaire Tested: **GALN-SA1B-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

**Test Information**

Test Method: LM-79-08  
Report Number: P526432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-827-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3591 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

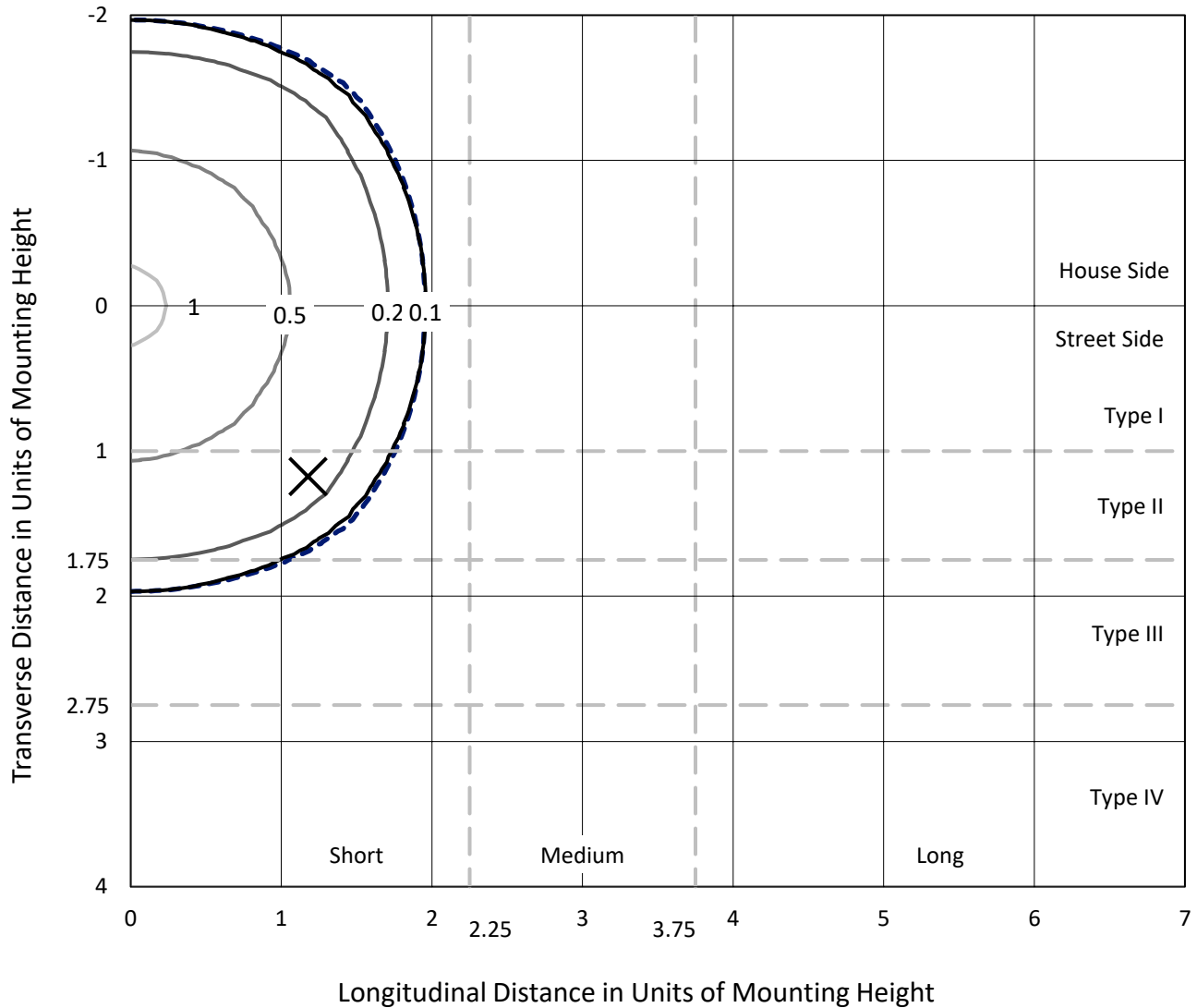
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

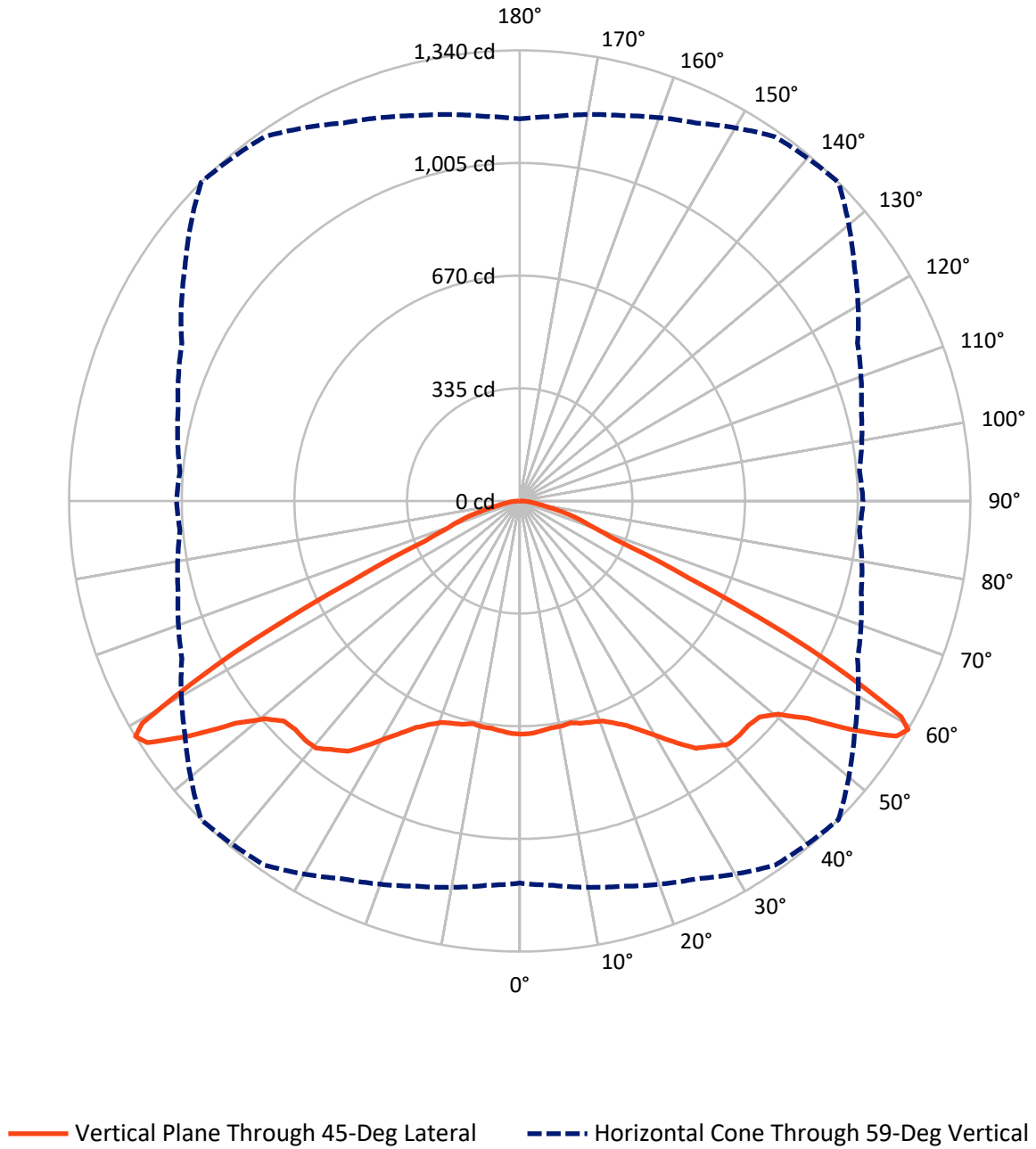
✕ Max cd  
 - - - 1/2 Max cd



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



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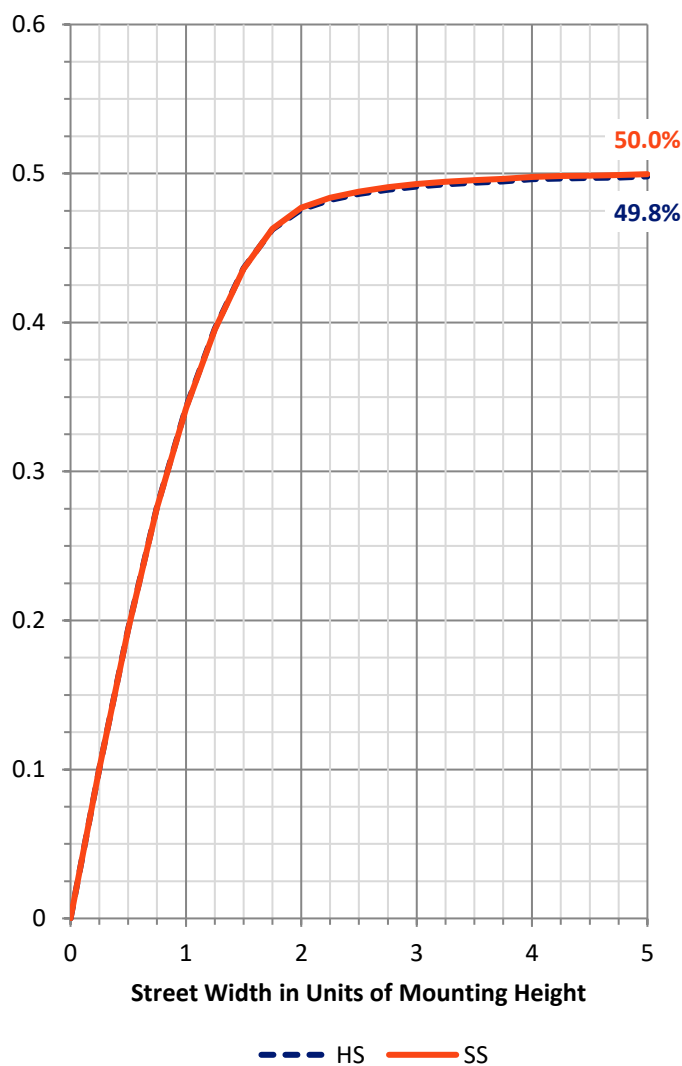
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1795.5	0.0	1795.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1795.5	0.0	1795.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3591.0	0.0	3591.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	1.8
10°-20°	194.4	5.4
20°-30°	339.5	9.5
30°-40°	542.3	15.1
40°-50°	738.7	20.6
50°-60°	998.9	27.8
60°-70°	547.8	15.3
70°-80°	140.1	3.9
80°-90°	23.9	0.7
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°	3591.0	100.0
0°-180°	3591.0	100.0

**Coefficient of Utilization**

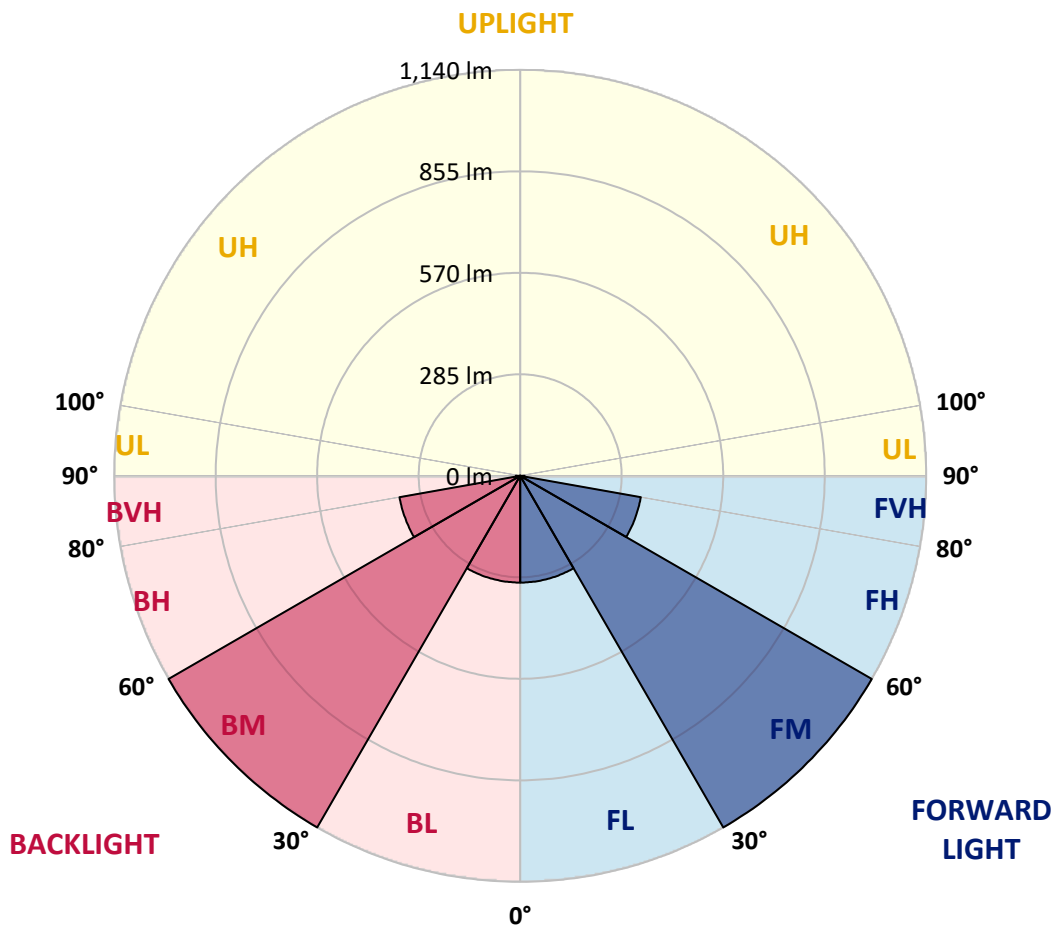


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.7	8.3			
FM (30°-60°)	1139.9	31.7			
FH (60°-80°)	344.0	9.6			G0/660
FVH (80°-90°)	12.0	0.3			G1/100
BL (0°-30°)	299.7	8.3	B1/500		
BM (30°-60°)	1139.9	31.7	B2/2500		
BH (60°-80°)	344.0	9.6	B1/500		G0/660
BVH (80°-90°)	12.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	693.6	693.6	693.6	693.6	693.6	693.6	693.6	693.6	693.6	693.6	693.6
2.5°	689.5	694.5	690.8	694.1	693.6	692.2	689.9	688.5	686.7	689.5	684.9
5°	686.7	690.8	695.0	689.5	689.5	686.7	685.3	682.6	682.6	682.1	681.6
7.5°	691.3	687.2	685.3	686.2	687.2	681.2	685.3	679.8	675.2	678.4	682.1
10°	687.2	689.0	682.1	685.3	680.3	681.2	678.4	682.1	677.0	677.0	677.0
12.5°	691.3	686.2	688.5	686.2	684.9	677.0	680.7	676.6	676.1	680.7	676.6
15°	699.6	691.3	689.5	684.9	686.2	686.2	682.6	683.0	678.0	680.7	681.6
17.5°	696.8	692.2	690.8	685.3	689.9	691.3	684.4	679.8	683.0	682.6	682.1
20°	699.1	701.0	699.6	700.5	702.4	698.7	692.2	685.8	681.6	687.6	687.2
22.5°	713.9	712.0	711.1	710.2	713.4	717.1	708.3	698.2	698.2	702.4	704.2
25°	725.8	725.4	724.9	729.0	740.1	740.1	729.0	716.2	712.9	715.7	713.4
27.5°	743.3	748.4	746.5	753.9	770.0	773.7	759.0	743.8	735.0	731.8	736.0
30°	783.4	777.4	778.8	786.6	800.8	812.8	790.3	774.2	762.2	761.7	763.6
32.5°	810.1	814.7	818.8	826.2	848.7	857.9	830.8	804.5	797.2	793.0	794.4
35°	863.4	859.3	858.4	865.7	888.3	903.5	869.4	846.4	836.7	846.0	846.0
37.5°	914.1	902.6	893.8	903.5	924.2	926.0	897.0	884.6	879.6	890.1	889.7
40°	938.0	937.1	916.8	922.4	950.0	952.7	925.6	910.9	909.9	923.7	937.5
42.5°	962.9	954.1	933.9	937.5	954.6	955.5	929.7	925.6	935.7	949.1	950.0
45°	967.0	959.6	946.8	937.5	950.0	952.7	937.5	940.3	941.2	957.3	957.3
47.5°	975.3	974.4	967.0	960.1	962.4	960.1	950.4	954.6	968.4	976.2	972.5
50°	998.3	988.6	996.0	990.0	990.5	996.9	988.2	992.3	989.6	982.7	978.0
52.5°	1048.9	1044.3	1050.8	1054.9	1059.5	1074.2	1064.1	1042.0	1021.3	1002.9	1002.4
55°	1123.0	1126.3	1138.7	1159.9	1177.8	1201.3	1152.5	1099.6	1066.4	1037.4	1039.3
57.5°	1193.0	1190.7	1207.7	1256.0	1308.5	1320.5	1224.7	1149.3	1095.4	1077.0	1069.2
59°	1136.8	1147.9	1186.5	1240.4	1322.8	1340.3	1215.1	1108.8	1051.7	1014.4	1020.9
60°	1048.5	1052.6	1087.1	1162.2	1273.5	1303.5	1150.2	1046.2	970.2	948.6	958.3
62.5°	741.0	737.8	762.6	823.9	923.7	964.2	855.2	782.0	734.1	710.2	715.7
65°	394.0	408.7	418.8	457.0	510.0	552.8	507.7	475.9	449.2	429.4	429.0
67.5°	266.0	264.2	266.5	275.2	293.2	305.2	304.2	288.1	285.8	282.1	286.3
70°	224.1	223.2	219.1	219.1	222.8	225.5	228.7	230.6	234.3	238.9	238.4
72.5°	181.8	179.5	176.7	175.4	180.0	181.3	185.5	187.3	190.5	190.1	194.2
75°	120.1	120.1	123.3	127.0	128.4	131.2	131.6	137.2	137.2	138.1	134.4
77.5°	67.2	65.4	67.7	71.3	74.6	79.6	84.7	88.8	91.1	90.2	90.2
80°	39.1	39.1	41.4	45.6	49.7	54.3	58.0	61.2	63.5	62.6	60.8
82.5°	24.4	24.4	26.7	30.8	34.1	36.8	41.9	46.0	48.8	47.9	45.6
85°	12.4	12.4	15.2	18.0	22.1	23.9	23.5	21.6	21.2	18.9	18.9
87.5°	3.2	3.2	4.6	5.1	4.1	4.6	4.6	4.6	4.6	4.6	5.1
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)