

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: P526202

Luminaire Tested: **GALN-SA1A-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526202  
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-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 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: 2981 lumens  
Efficiency: N/A  
Efficacy: 90.3 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

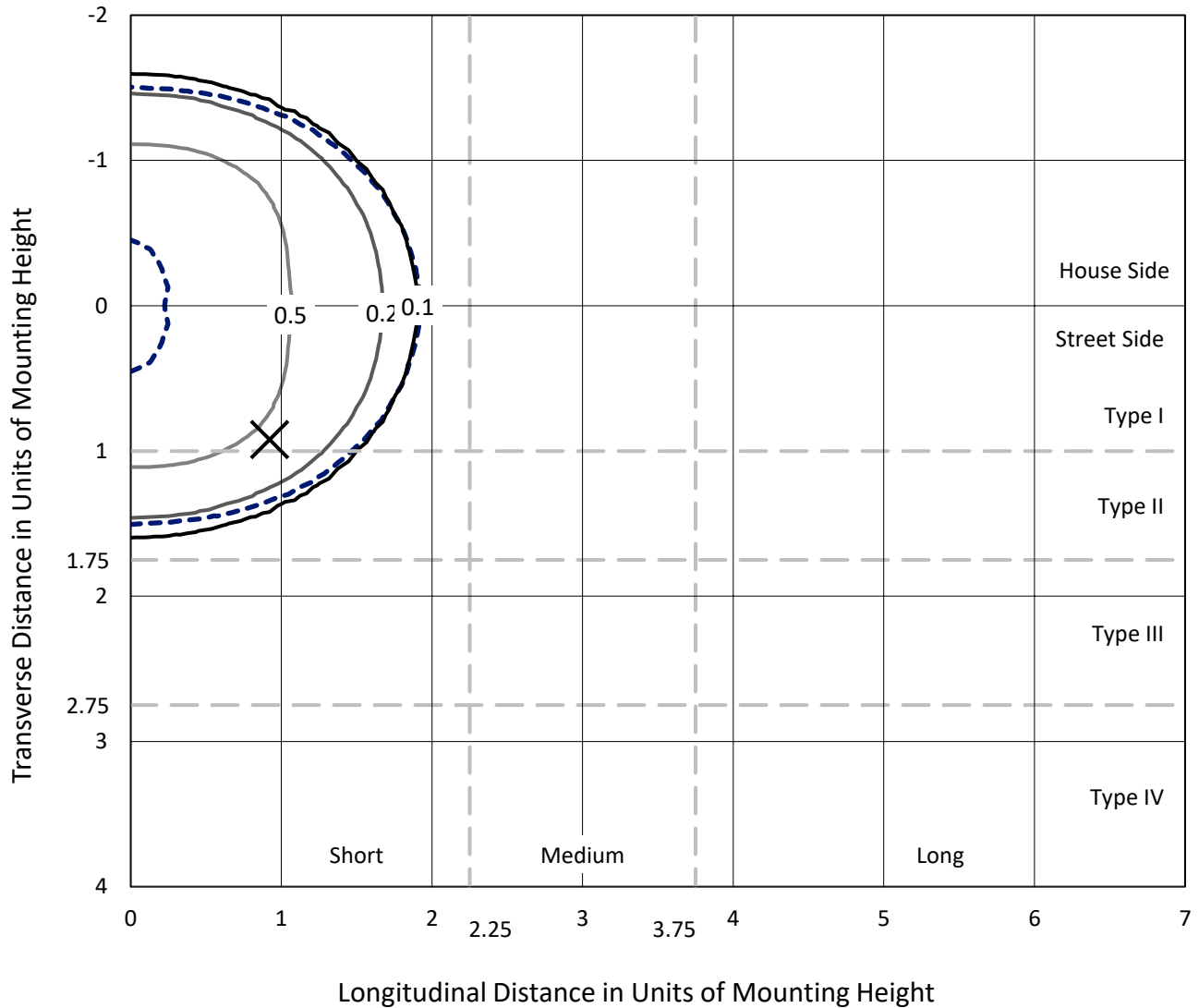
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

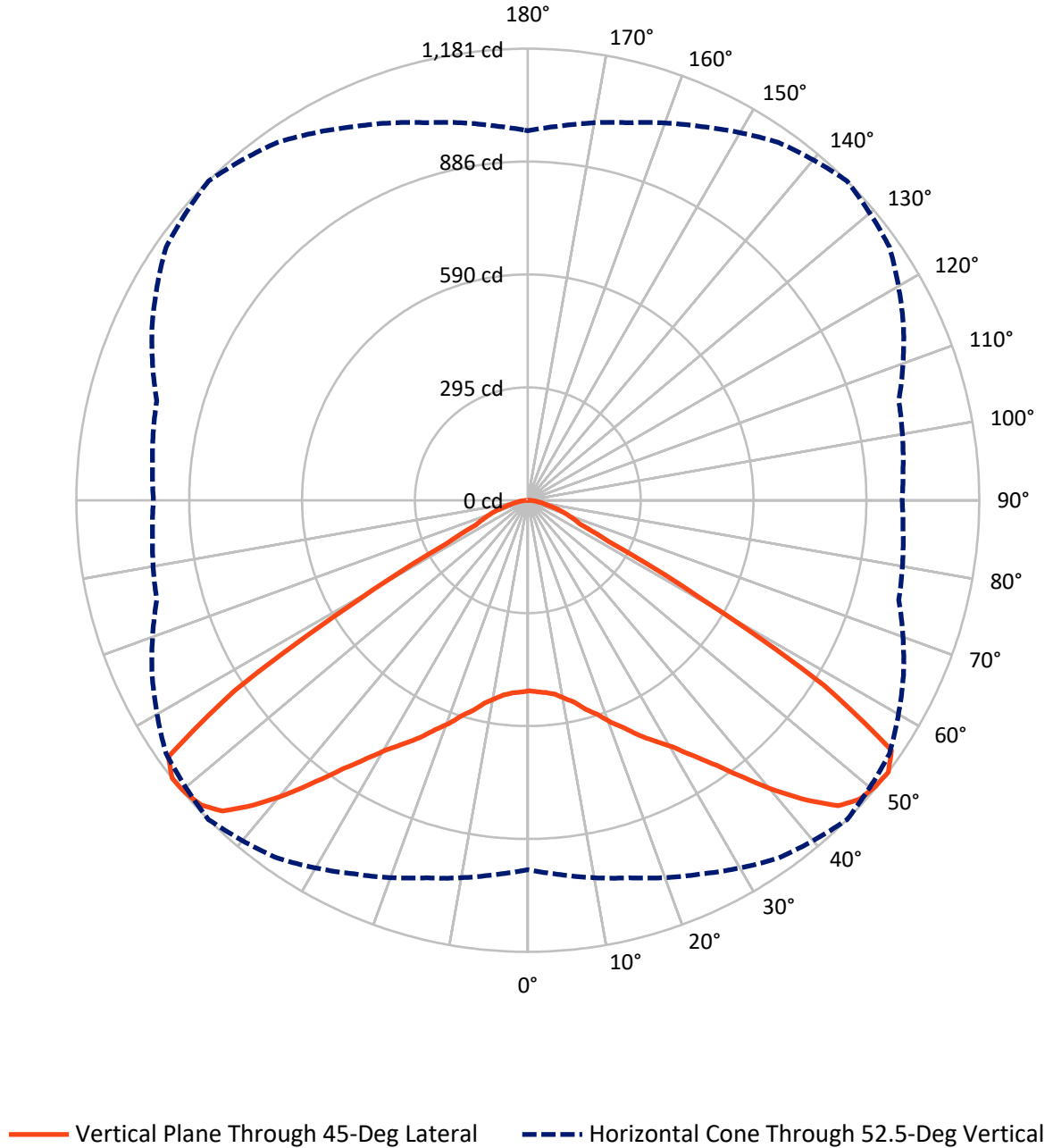
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	1490.5	0.0	1490.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1490.5	0.0	1490.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2981.0	0.0	2981.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	1.6
10°-20°	160.9	5.4
20°-30°	306.3	10.3
30°-40°	525.9	17.6
40°-50°	808.3	27.1
50°-60°	820.8	27.5
60°-70°	228.8	7.7
70°-80°	67.5	2.3
80°-90°	13.6	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°	2981.0	100.0
0°-180°	2981.0	100.0

**Coefficient of Utilization**



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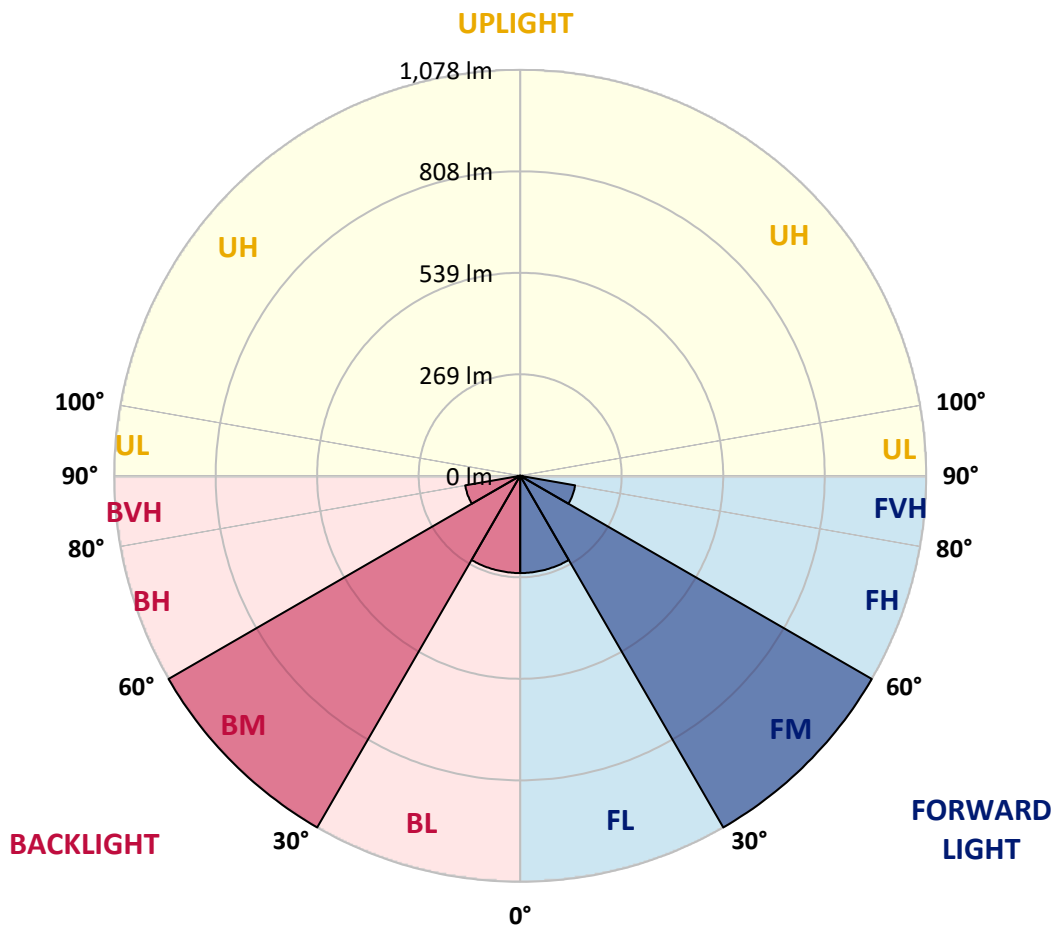
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.1	8.7			
FM (30°-60°)	1077.5	36.1			
FH (60°-80°)	148.1	5.0			G0/660
FVH (80°-90°)	6.8	0.2			G0/10
BL (0°-30°)	258.1	8.7	B1/500		
BM (30°-60°)	1077.5	36.1	B2/2500		
BH (60°-80°)	148.1	5.0	B1/500		G0/660
BVH (80°-90°)	6.8	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°	498.3	498.3	498.3	498.3	498.3	498.3	498.3	498.3	498.3	498.3	498.3
2.5°	499.4	494.2	496.1	497.2	502.0	501.6	500.5	502.0	503.5	503.9	503.1
5°	499.1	495.4	496.8	497.9	502.8	505.3	504.6	510.9	515.3	514.2	519.8
7.5°	496.1	498.3	496.5	502.0	506.1	512.4	519.0	524.9	530.5	536.8	537.9
10°	502.8	502.8	506.1	510.5	521.2	526.1	535.7	544.2	554.9	562.3	559.4
12.5°	509.8	510.9	510.9	522.4	531.2	542.0	550.8	562.3	577.5	586.4	590.8
15°	516.8	517.6	521.2	536.8	550.1	567.1	575.3	585.6	594.1	610.8	611.1
17.5°	523.1	527.2	538.3	555.7	572.3	588.6	601.5	612.3	619.7	626.3	624.8
20°	546.8	549.7	561.2	578.6	603.4	619.3	623.7	625.6	630.4	643.7	639.6
22.5°	569.7	570.8	581.6	608.2	625.6	646.7	651.5	650.4	652.2	655.5	661.5
25°	593.4	595.2	610.0	632.6	657.0	682.2	686.2	677.7	675.1	678.8	679.2
27.5°	623.7	624.1	643.0	662.6	690.3	714.0	720.3	713.6	701.4	704.4	709.2
30°	662.2	659.6	678.5	706.6	735.8	749.1	759.9	756.5	743.2	740.6	736.6
32.5°	706.6	707.3	724.3	755.1	774.3	796.5	808.0	802.4	793.9	789.5	792.0
35°	769.1	772.4	783.9	809.4	840.5	851.6	869.7	857.9	835.7	841.3	846.1
37.5°	820.5	830.2	851.6	881.9	900.4	920.8	927.4	911.5	895.3	888.6	904.5
40°	899.3	896.4	920.0	950.4	977.8	998.1	989.6	973.7	933.4	933.7	938.2
42.5°	967.0	968.5	986.6	1022.9	1060.3	1072.8	1045.8	1007.0	962.2	957.4	967.0
45°	1024.0	1029.9	1040.3	1088.7	1125.4	1139.1	1089.1	1043.2	983.3	963.3	979.2
47.5°	1044.3	1054.0	1076.5	1120.9	1157.2	1168.3	1128.3	1062.5	1002.9	970.4	978.9
50°	1047.3	1044.0	1081.0	1121.7	1153.5	1177.5	1142.4	1076.5	998.1	981.1	978.5
52.5°	966.3	982.6	1022.2	1078.0	1142.4	1180.9	1155.0	1084.3	1004.8	985.5	979.2
55°	782.1	762.8	835.0	928.9	1047.3	1154.2	1150.5	1088.4	1008.8	992.9	984.4
57.5°	436.5	442.1	482.8	584.9	737.7	915.2	1022.9	1045.5	1007.0	997.7	1002.2
60°	202.0	203.8	221.2	268.9	363.7	519.0	660.7	804.6	870.8	884.2	884.2
62.5°	150.6	149.8	154.3	162.8	182.8	238.6	318.5	432.8	523.8	587.5	604.1
65°	136.1	135.8	138.0	140.9	142.4	150.2	168.0	203.1	232.7	249.7	246.8
67.5°	119.1	118.8	119.5	121.3	123.9	128.0	132.4	139.8	150.2	149.5	147.6
70°	96.2	96.2	97.3	98.8	101.7	106.5	111.7	116.9	125.8	127.6	127.3
72.5°	71.0	69.9	72.1	75.1	78.1	84.0	89.5	94.3	100.6	102.5	101.7
75°	45.1	45.9	47.4	50.7	55.9	59.9	65.8	69.9	74.0	75.5	75.8
77.5°	25.2	25.9	28.5	32.6	37.7	42.2	47.4	50.7	53.3	53.6	54.0
80°	15.2	15.5	18.1	21.8	26.3	31.1	35.1	38.5	40.7	39.6	39.2
82.5°	9.2	9.6	11.8	15.2	18.9	22.6	27.0	30.0	32.2	30.7	29.2
85°	4.8	5.2	7.0	9.2	12.2	14.1	14.1	12.6	12.2	11.5	11.1
87.5°	1.5	1.5	1.8	2.2	1.8	2.2	2.6	3.0	3.0	3.3	3.0
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)