

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: P651668

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4014.9 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

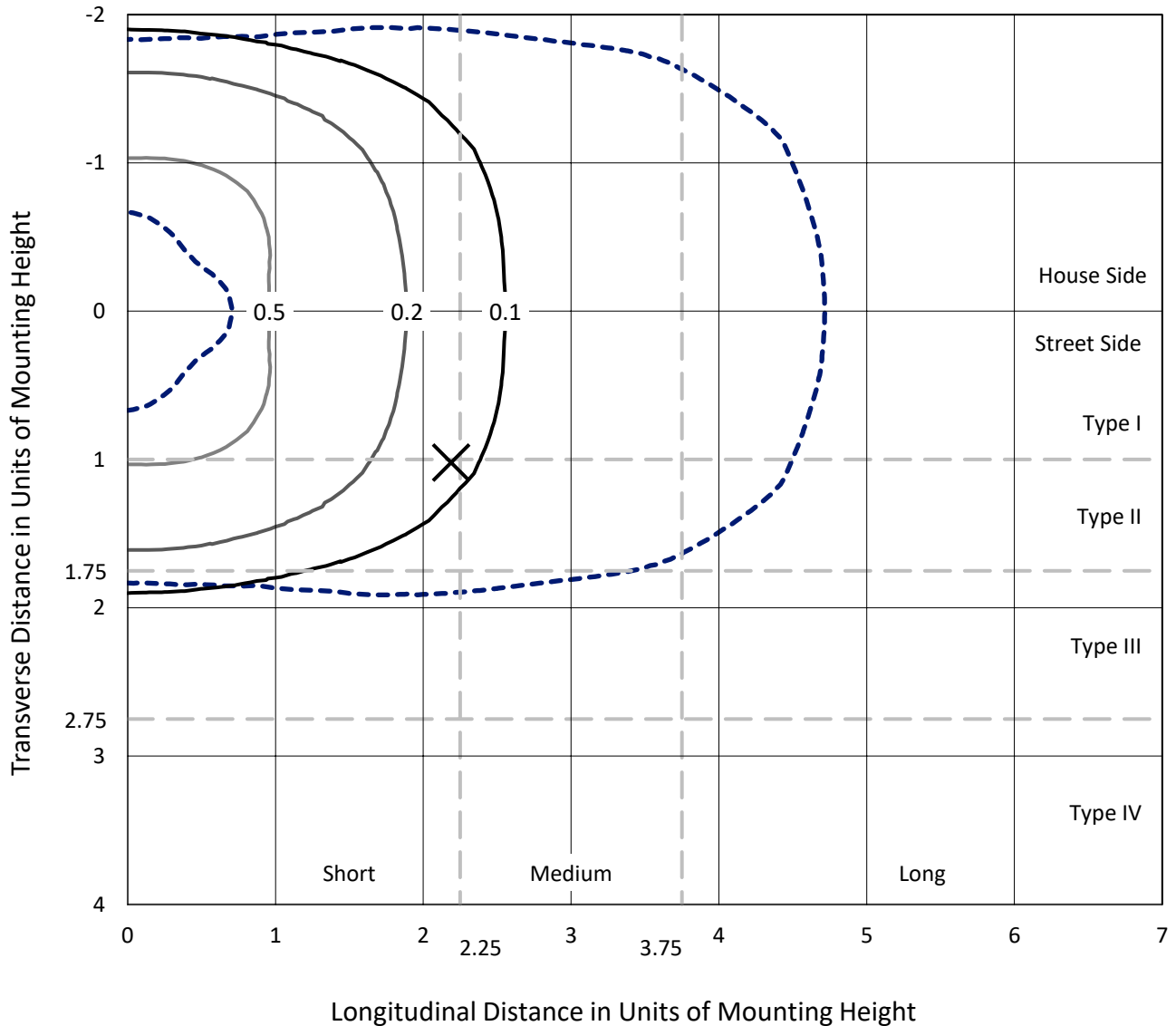
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

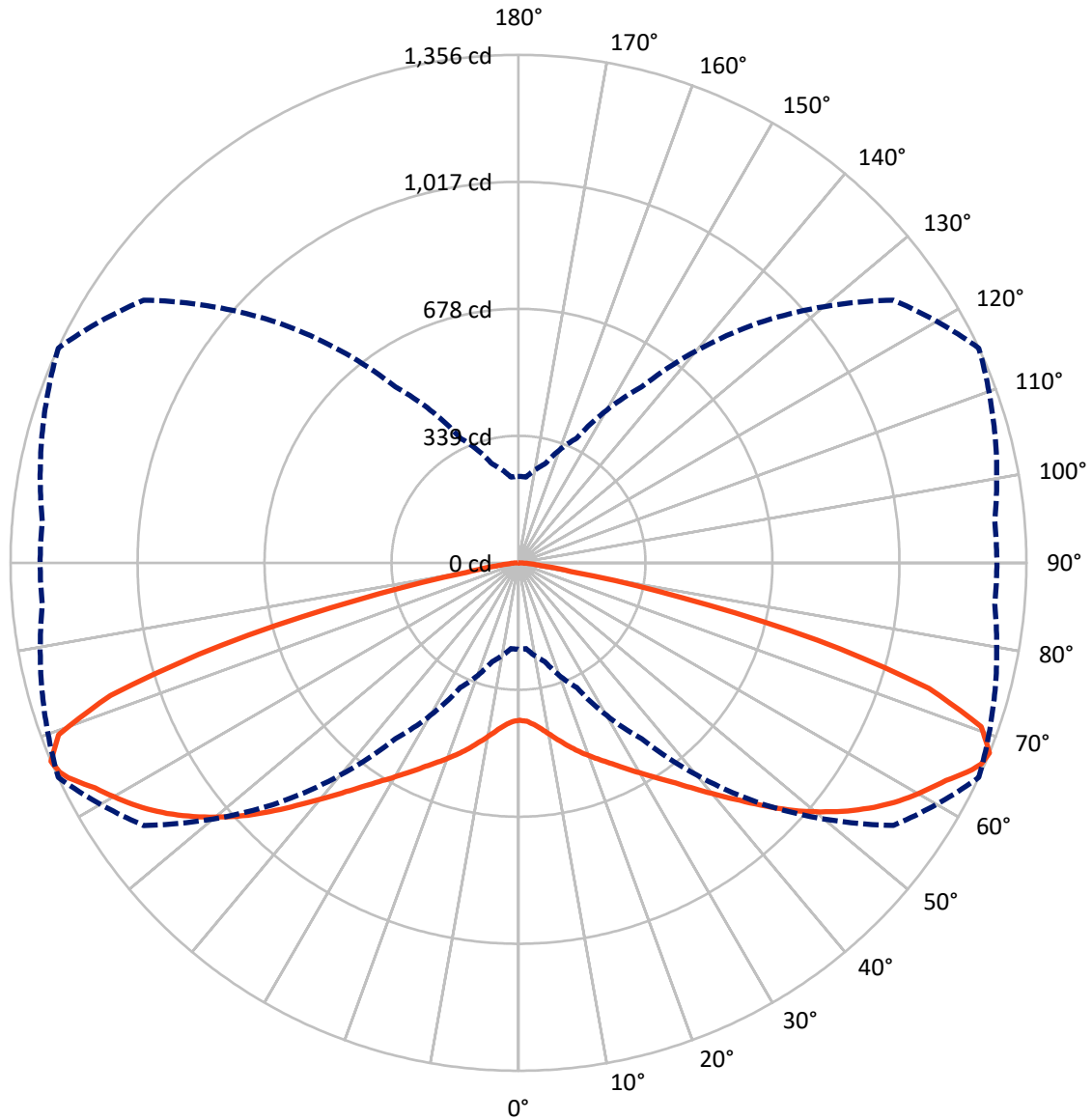
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2007.5	0.0	2007.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2007.5	0.0	2007.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4014.9	0.0	4014.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.0
10°-20°	138.8	3.5
20°-30°	271.5	6.8
30°-40°	461.8	11.5
40°-50°	731.0	18.2
50°-60°	969.2	24.1
60°-70°	914.3	22.8
70°-80°	452.0	11.3
80°-90°	34.8	0.9
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°	4014.9	100.0
0°-180°	4014.9	100.0

Coefficient of Utilization

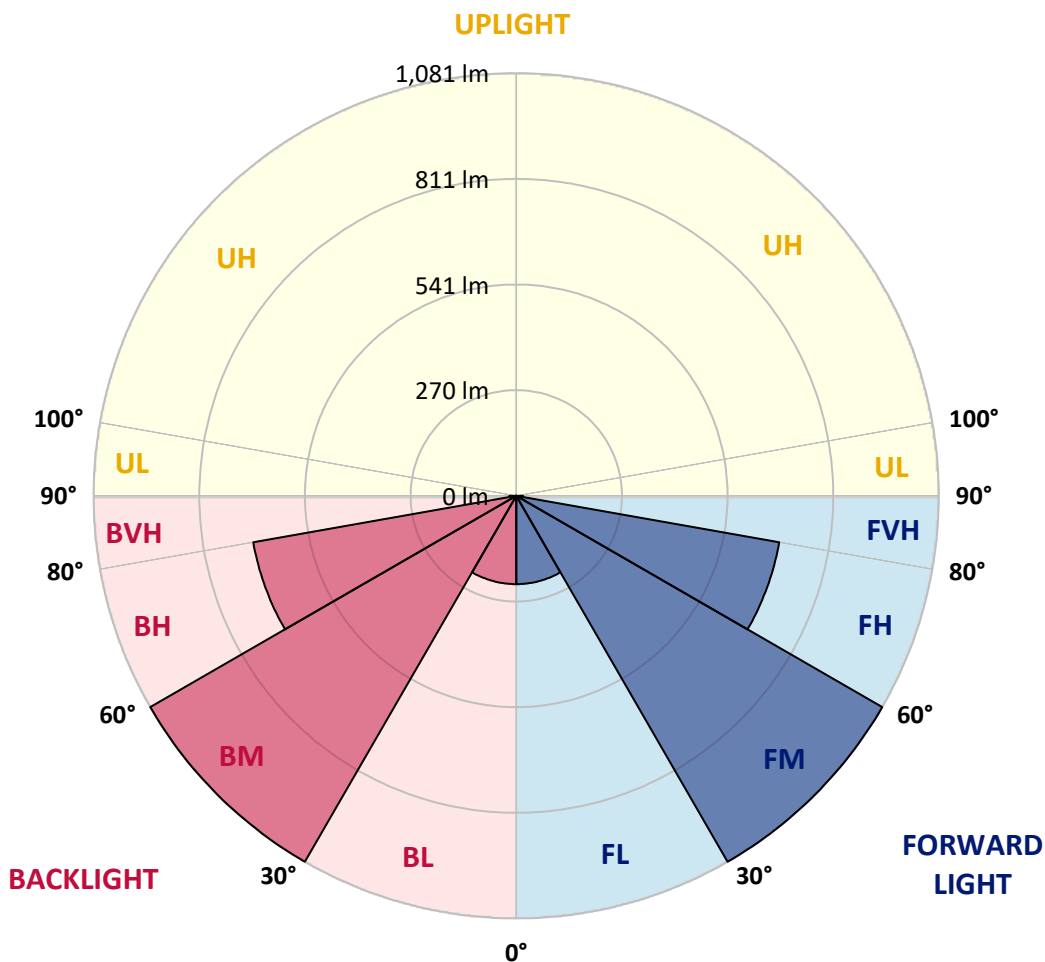


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	5.6			
FM (30°-60°)	1081.0	26.9			
FH (60°-80°)	683.1	17.0			G1/1800
FVH (80°-90°)	17.4	0.4			G1/100
BL (0°-30°)	225.9	5.6	B1/500		
BM (30°-60°)	1081.0	26.9	B2/2500		
BH (60°-80°)	683.1	17.0	B2/1000		G2/1000
BVH (80°-90°)	17.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5
2.5°	418.4	418.8	419.2	419.9	420.8	422.0	422.9	423.5	425.3	425.5	425.3
5°	416.9	417.3	418.4	420.3	423.1	427.0	430.0	433.6	436.5	438.4	438.0
7.5°	416.6	417.6	419.2	423.4	428.7	435.4	442.3	448.5	453.9	458.2	457.5
10°	420.1	421.2	423.9	430.0	438.4	448.1	457.8	467.0	474.7	480.3	482.2
12.5°	425.9	426.8	431.9	440.9	453.0	465.1	476.0	487.4	498.2	507.6	507.6
15°	436.0	437.5	444.0	457.1	472.0	485.9	497.1	509.1	520.7	531.5	534.7
17.5°	450.0	452.1	461.8	478.6	497.5	510.4	521.0	530.8	541.0	551.3	552.8
20°	469.1	471.3	484.2	504.4	526.8	542.3	549.3	551.8	556.7	566.6	567.8
22.5°	495.2	497.3	511.7	534.5	559.5	576.3	579.3	573.6	572.4	580.1	581.0
25°	524.6	526.6	543.1	567.7	593.5	611.7	610.9	597.1	589.4	594.1	595.4
27.5°	557.8	560.5	577.3	602.7	630.7	646.8	644.2	624.3	607.7	606.8	607.2
30°	600.1	603.2	619.1	643.4	670.9	685.8	680.4	653.5	627.9	619.3	619.3
32.5°	644.9	652.4	668.5	693.9	715.4	726.2	718.0	685.8	651.8	639.7	639.1
35°	703.2	707.3	723.2	747.9	764.0	772.5	756.7	722.1	683.0	668.8	666.8
37.5°	760.2	763.6	782.1	805.8	825.4	824.9	803.7	765.3	721.7	705.8	704.5
40°	818.5	822.2	843.2	865.0	884.5	882.8	857.0	814.2	767.7	749.8	753.3
42.5°	869.0	873.1	897.0	928.0	945.6	945.2	915.3	867.1	818.7	802.7	805.8
45°	915.1	918.7	946.5	982.0	1007.8	1011.0	978.3	927.3	877.7	857.2	858.1
47.5°	947.6	954.5	983.5	1024.1	1059.2	1070.6	1038.6	988.6	931.4	910.1	911.4
50°	972.3	976.6	1008.2	1054.4	1098.8	1122.4	1096.6	1045.4	985.1	962.6	965.6
52.5°	975.3	980.4	1014.8	1068.2	1125.0	1160.9	1148.2	1100.9	1040.1	1016.8	1023.2
55°	950.8	953.8	994.8	1059.6	1135.4	1189.5	1192.8	1152.5	1092.3	1074.6	1079.0
57.5°	880.9	888.6	940.7	1019.4	1121.1	1204.8	1226.1	1199.4	1145.2	1127.8	1134.7
60°	766.2	774.0	826.2	926.0	1067.6	1197.7	1253.6	1240.9	1193.2	1179.2	1182.9
62.5°	600.4	599.7	664.5	786.8	961.1	1162.9	1274.0	1280.9	1240.5	1222.9	1228.4
65°	389.1	391.1	453.6	585.5	800.4	1074.2	1278.6	1331.9	1287.0	1260.3	1264.4
66°	312.9	318.8	371.9	493.4	718.5	1016.2	1265.0	1346.9	1301.2	1268.9	1270.8
67.5°	231.0	229.9	273.6	367.4	573.6	905.8	1222.6	1356.4	1317.3	1276.6	1277.5
70°	131.9	131.6	147.1	201.8	337.3	637.8	1030.6	1311.0	1350.0	1304.6	1302.2
72.5°	96.4	95.7	97.9	111.4	164.6	322.0	710.9	1145.9	1333.2	1300.1	1293.5
75°	80.9	80.5	80.0	81.7	92.3	145.8	377.3	824.3	1156.8	1220.3	1213.4
77.5°	66.0	66.0	66.3	65.9	66.3	76.8	156.3	441.9	704.5	786.4	805.6
80°	51.6	51.4	55.1	53.6	50.1	49.3	69.3	142.2	233.8	232.5	191.8
82.5°	38.1	35.5	42.0	40.9	37.0	31.4	40.5	60.6	78.0	50.8	37.7
85°	24.1	23.9	29.7	27.1	22.6	14.8	19.3	26.0	32.3	19.6	15.9
87.5°	4.3	4.1	9.5	6.9	6.9	4.3	5.4	7.1	10.5	7.3	5.4
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)