

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: P526123

Luminaire Tested: **GALN-SA1A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2990 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

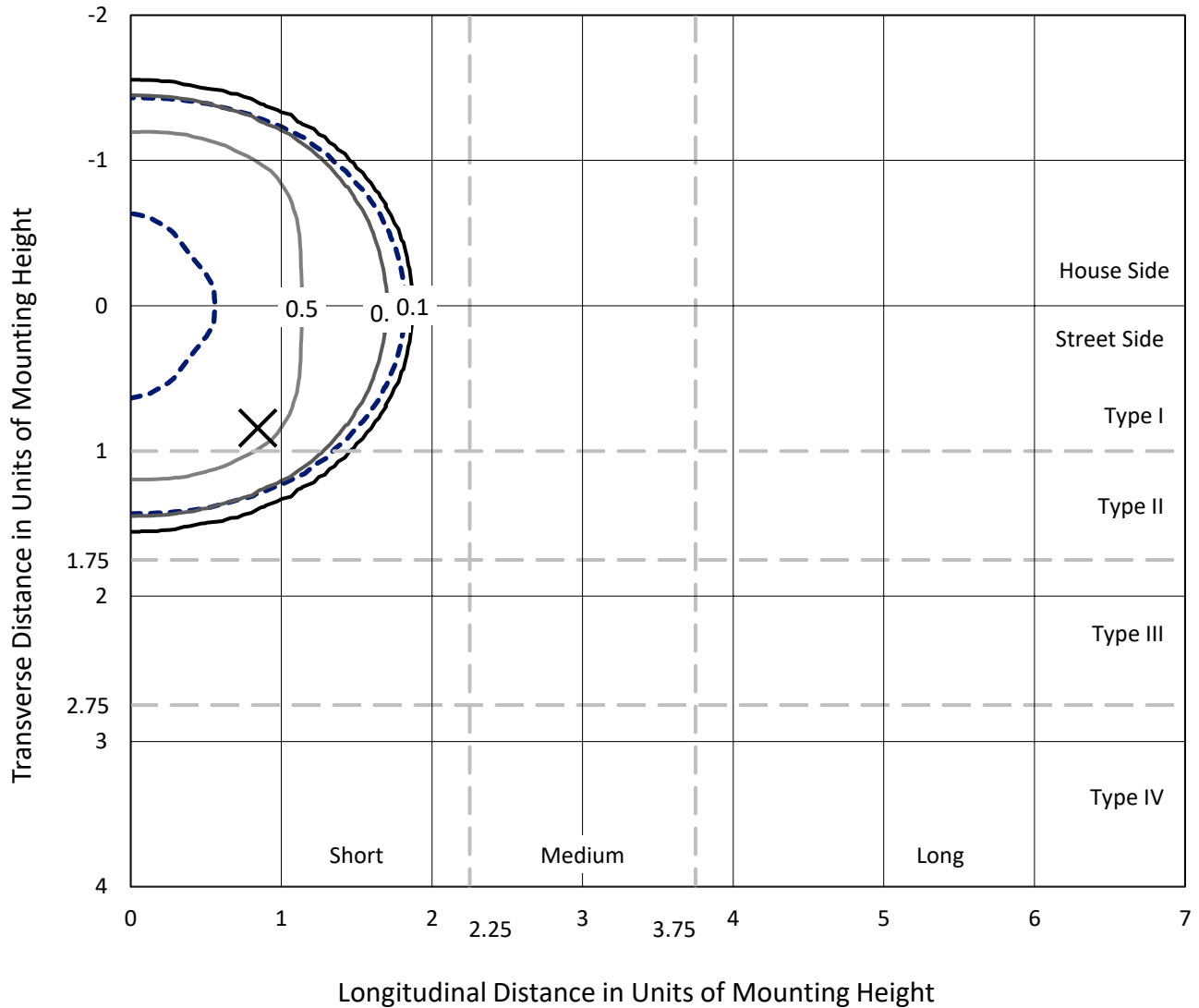
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

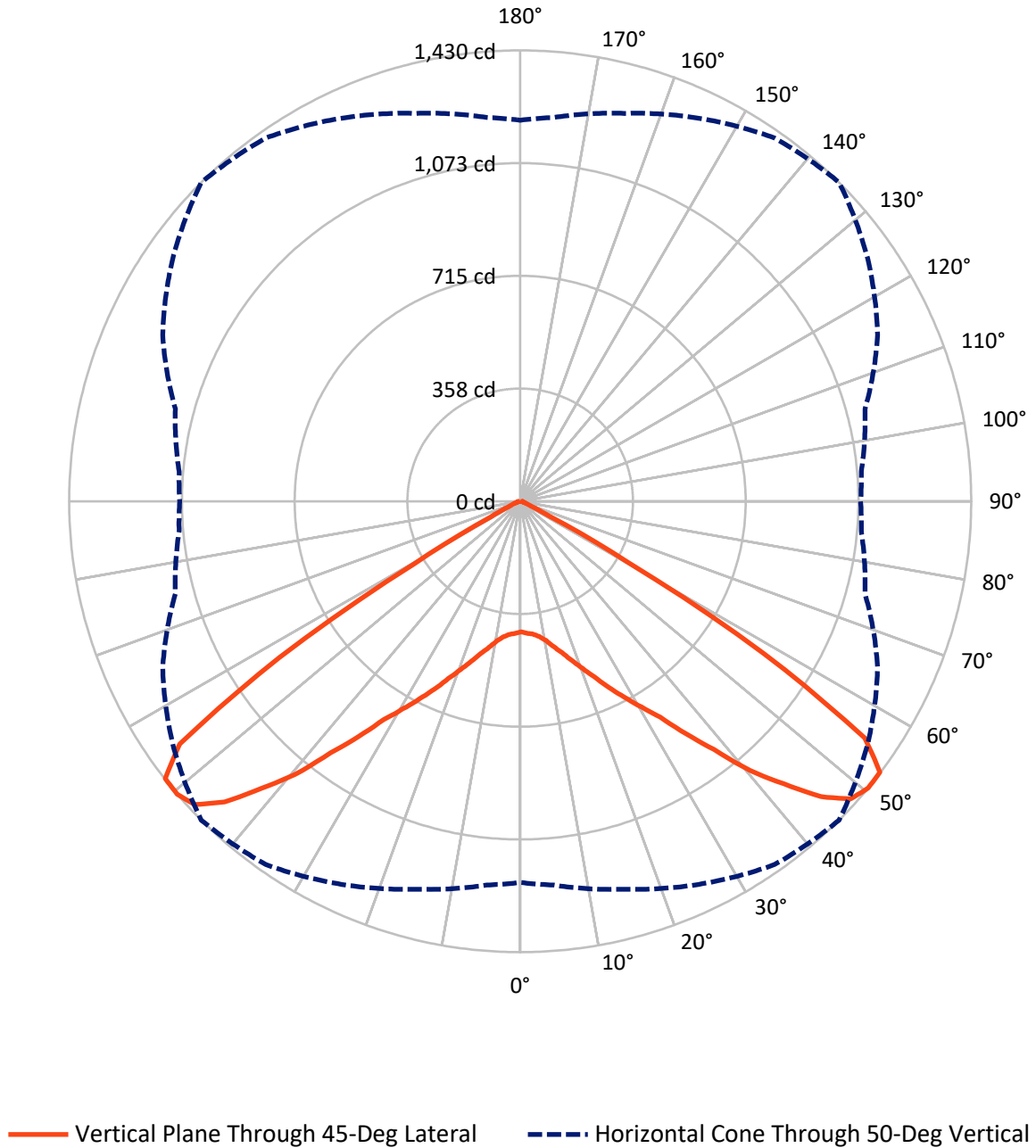
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1495.0	0.0	1495.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1495.0	0.0	1495.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2990.0	0.0	2990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.4
10°-20°	142.1	4.8
20°-30°	290.3	9.7
30°-40°	553.6	18.5
40°-50°	932.9	31.2
50°-60°	889.7	29.8
60°-70°	124.2	4.2
70°-80°	11.9	0.4
80°-90°	4.1	0.1
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°	2990.0	100.0
0°-180°	2990.0	100.0

Coefficient of Utilization



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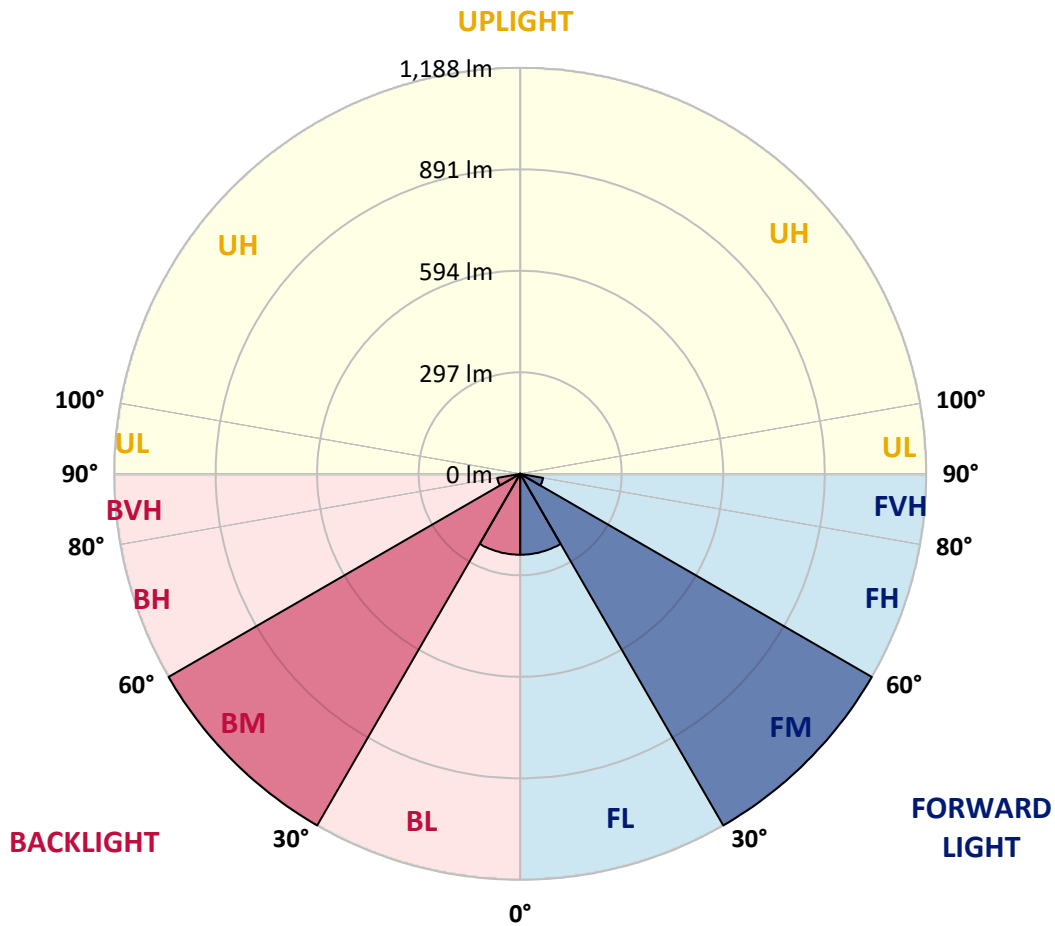
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.8	7.9			
FM (30°-60°)	1188.1	39.7			
FH (60°-80°)	68.0	2.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	236.8	7.9	B1/500		
BM (30°-60°)	1188.1	39.7	B2/2500		
BH (60°-80°)	68.0	2.3	B0/110		G0/660
BVH (80°-90°)	2.1	0.1			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°	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5
2.5°	413.0	413.0	412.5	416.5	414.5	419.1	418.6	420.1	421.6	421.1	425.1
5°	409.5	409.0	409.0	413.5	418.1	423.1	427.6	430.6	435.7	435.7	440.7
7.5°	413.0	410.5	414.0	416.0	424.6	433.1	440.7	446.7	458.3	462.3	460.8
10°	414.0	417.0	419.6	425.6	436.2	449.2	455.8	470.9	484.0	493.0	495.0
12.5°	420.6	425.1	432.1	446.7	456.3	473.4	482.4	497.0	515.1	525.2	532.2
15°	433.1	434.7	443.7	462.3	482.9	498.5	512.6	523.2	540.8	552.4	552.9
17.5°	449.2	455.8	468.4	486.0	507.6	530.7	541.8	553.4	559.9	575.5	579.0
20°	481.4	482.4	494.5	517.7	544.8	566.0	574.0	580.0	577.5	593.6	596.6
22.5°	511.6	512.6	527.7	558.9	588.1	606.2	609.7	606.2	598.7	610.2	611.2
25°	542.3	551.4	562.4	593.6	629.8	654.0	654.5	644.9	629.3	631.4	636.4
27.5°	590.1	596.6	608.2	636.9	676.6	703.8	699.3	687.7	667.6	669.1	667.6
30°	645.9	652.0	661.5	698.3	727.4	757.1	763.7	752.6	722.4	715.9	723.4
32.5°	713.4	721.9	739.5	773.2	797.9	816.0	820.5	816.5	788.3	785.8	790.8
35°	795.4	806.9	823.0	852.7	872.8	905.5	905.5	891.9	866.3	869.3	868.8
37.5°	881.9	899.0	924.1	954.3	981.5	999.1	993.6	982.0	956.3	949.8	956.3
40°	990.5	999.1	1030.8	1070.0	1103.2	1123.4	1099.7	1074.6	1013.2	1022.7	1040.4
42.5°	1089.7	1103.2	1127.4	1170.6	1208.4	1225.0	1196.8	1147.0	1073.1	1065.5	1078.6
45°	1174.2	1188.8	1220.5	1282.3	1322.1	1336.7	1274.3	1193.8	1109.3	1090.2	1095.7
47.5°	1230.5	1238.1	1282.3	1341.2	1377.4	1410.6	1321.1	1226.0	1126.4	1090.2	1088.1
50°	1208.9	1222.0	1273.8	1340.7	1406.6	1430.2	1344.7	1250.6	1131.9	1085.6	1079.6
52.5°	1073.6	1096.2	1154.0	1244.1	1343.7	1428.2	1377.4	1242.6	1129.9	1090.2	1099.2
55°	747.1	747.6	818.0	950.8	1126.9	1326.1	1329.6	1251.6	1143.0	1118.3	1118.8
57.5°	300.3	315.4	369.3	502.6	665.1	910.6	1082.6	1161.1	1144.5	1138.4	1154.0
60°	76.0	76.5	93.1	141.9	233.9	390.4	567.0	767.2	883.4	923.1	928.7
62.5°	38.7	39.2	43.3	50.3	63.9	104.6	186.1	295.3	420.1	483.5	500.1
65°	31.7	31.7	34.2	37.7	38.2	40.2	48.3	68.9	100.1	113.7	115.2
67.5°	24.1	24.1	26.2	28.2	29.2	28.7	27.7	28.7	34.7	33.2	32.2
70°	15.1	15.6	16.6	18.6	19.6	20.1	20.6	21.6	24.7	25.7	24.7
72.5°	9.1	9.1	9.6	11.1	12.6	13.6	15.1	16.1	17.6	20.1	19.6
75°	4.0	4.0	5.0	6.5	8.0	9.6	11.1	12.6	13.6	15.1	15.6
77.5°	1.0	1.5	2.5	4.5	6.0	8.0	10.1	11.6	12.6	12.6	12.1
80°	0.5	0.5	2.0	3.5	6.5	8.6	11.1	12.1	13.6	12.6	11.1
82.5°	0.5	0.5	2.0	3.5	6.0	8.6	11.6	13.1	14.1	12.6	10.6
85°	0.0	0.5	1.5	3.0	5.0	6.0	5.0	3.5	2.0	2.0	1.5
87.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)