

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: P526046

Luminaire Tested: **GALN-SA1A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526046
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-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 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: 3391 lumens
Efficiency: N/A
Efficacy: 102.8 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

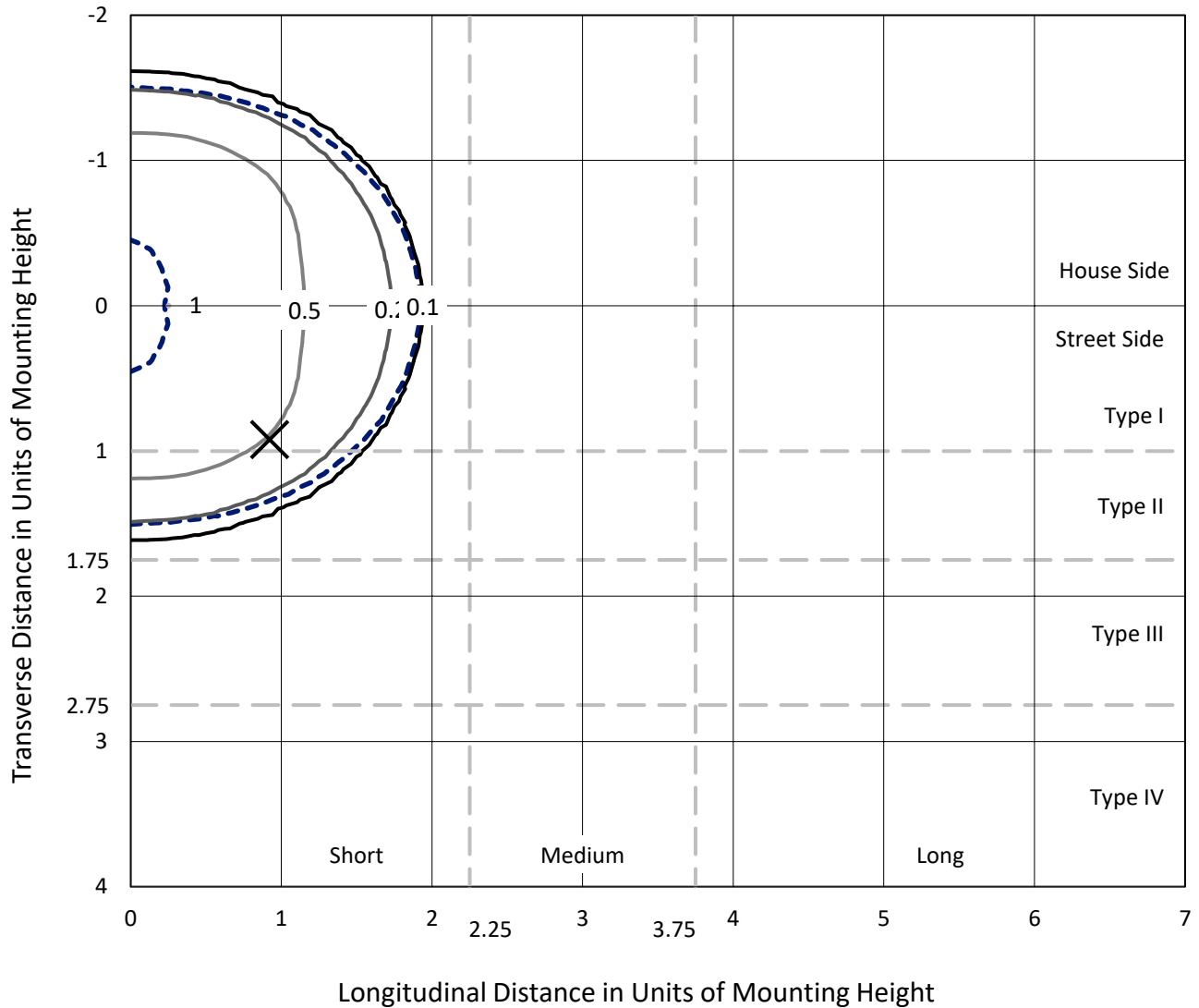
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

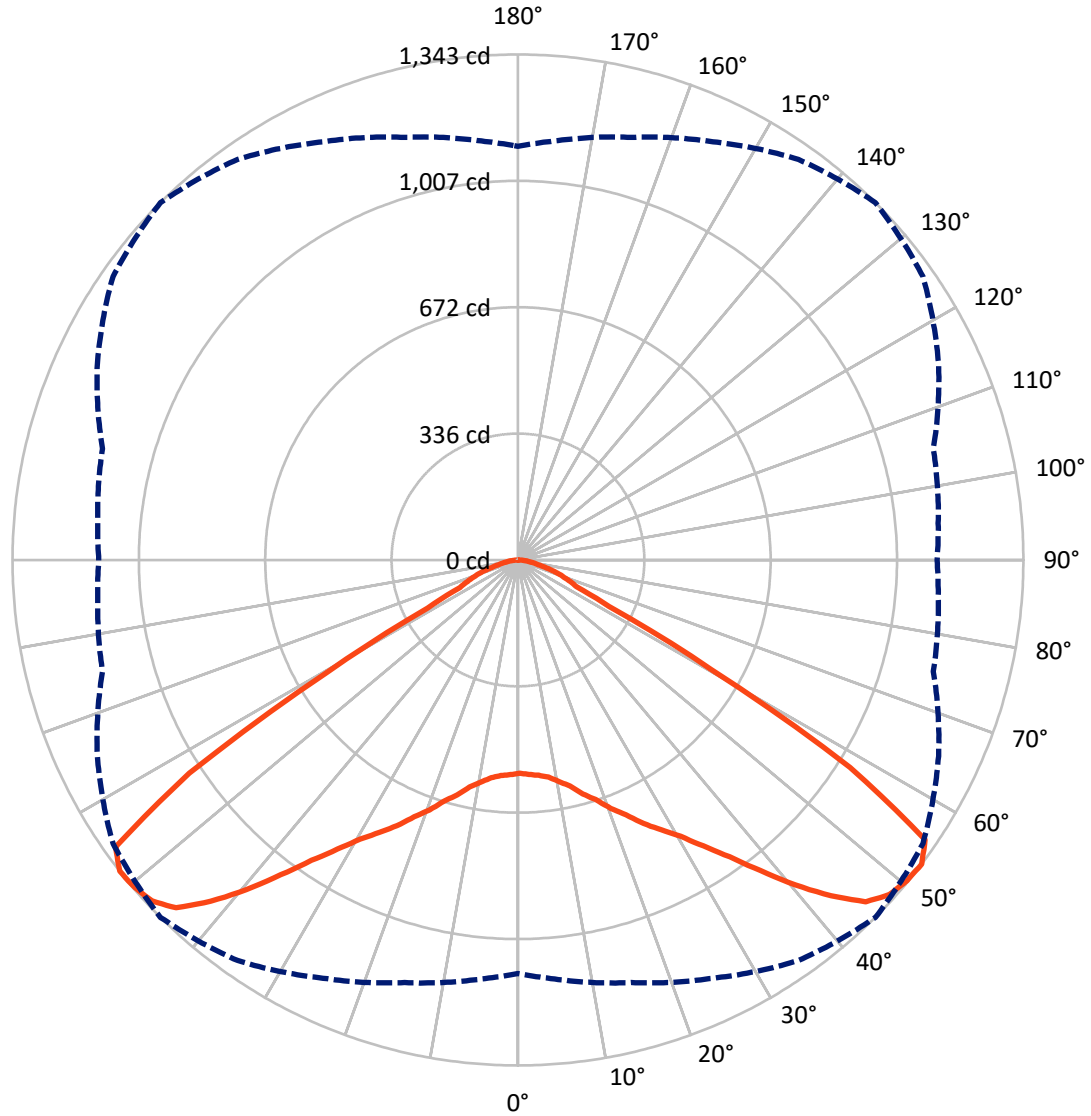
× Max cd
 - - - 1/2 Max cd



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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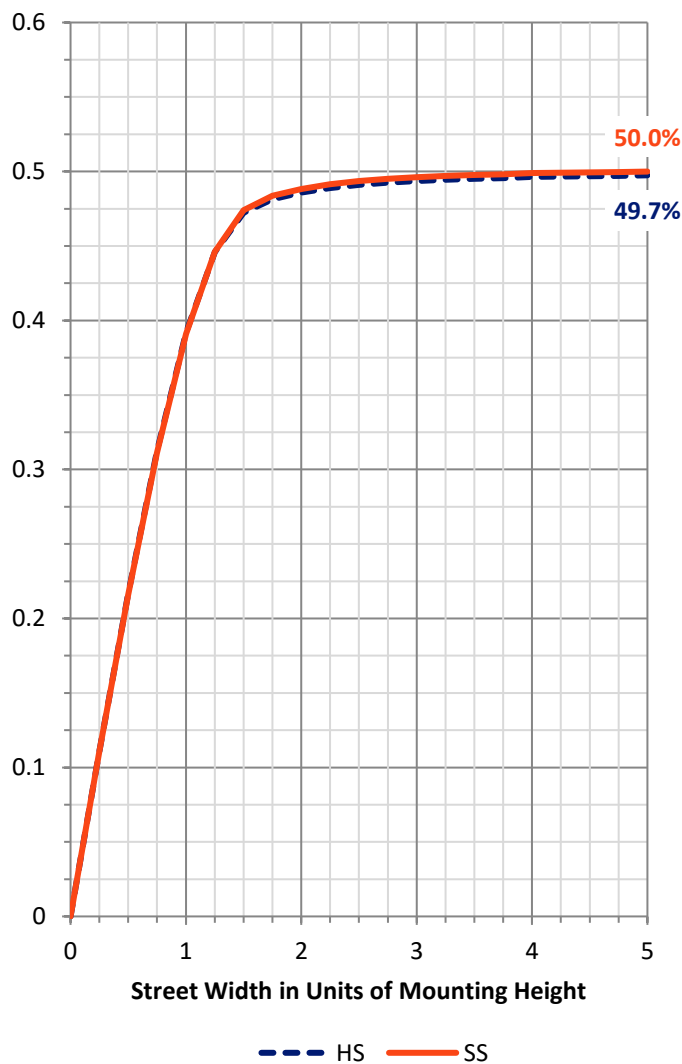
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.5	0.0	1695.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1695.5	0.0	1695.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3391.0	0.0	3391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.6
10°-20°	183.0	5.4
20°-30°	348.4	10.3
30°-40°	598.2	17.6
40°-50°	919.5	27.1
50°-60°	933.7	27.5
60°-70°	260.2	7.7
70°-80°	76.8	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°	3391.0	100.0
0°-180°	3391.0	100.0

Coefficient of Utilization



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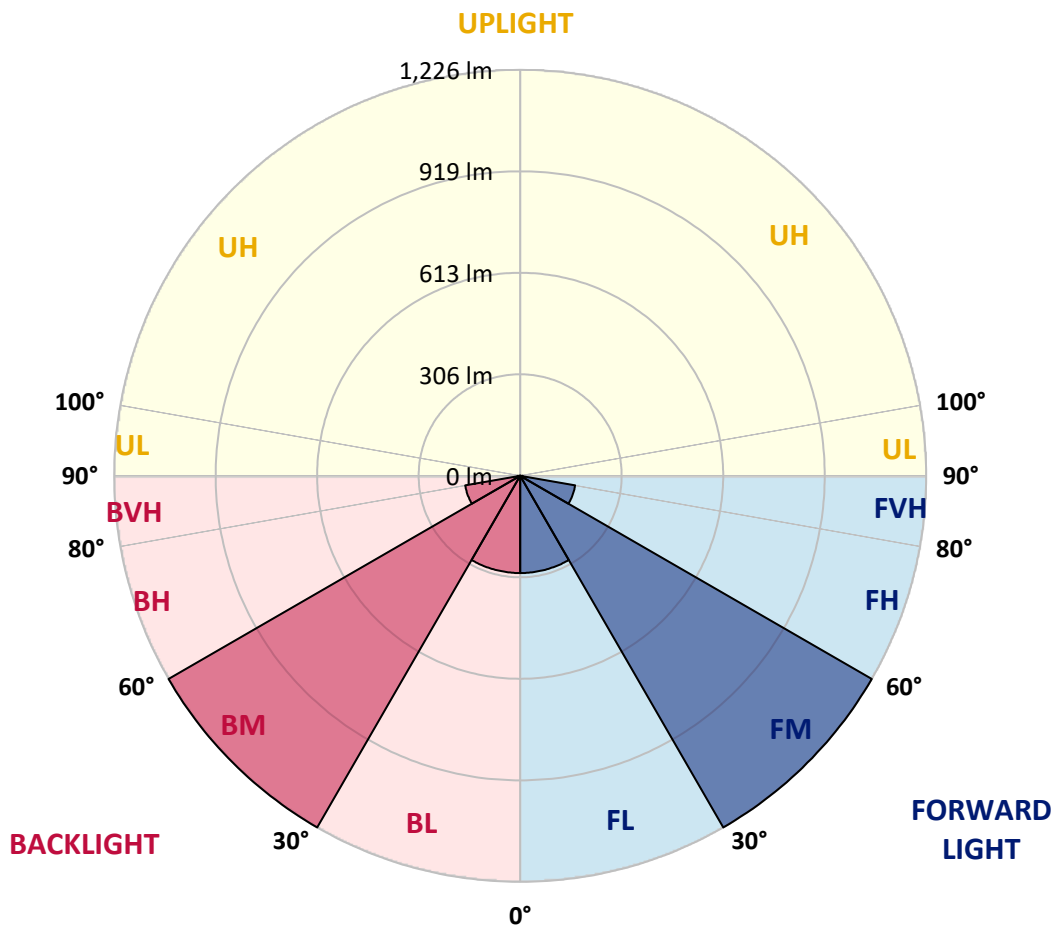
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.5	8.7			
FM (30°-60°)	1225.7	36.1			
FH (60°-80°)	168.5	5.0			G0/660
FVH (80°-90°)	7.7	0.2			G0/10
BL (0°-30°)	293.5	8.7	B1/500		
BM (30°-60°)	1225.7	36.1	B2/2500		
BH (60°-80°)	168.5	5.0	B1/500		G0/660
BVH (80°-90°)	7.7	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°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	568.1	562.2	564.3	565.6	571.1	570.6	569.4	571.1	572.7	573.2	572.3
5°	567.7	563.5	565.2	566.4	571.9	574.8	574.0	581.2	586.2	584.9	591.3
7.5°	564.3	566.9	564.7	571.1	575.7	582.8	590.4	597.1	603.5	610.6	611.9
10°	571.9	571.9	575.7	580.7	592.9	598.4	609.4	619.0	631.2	639.7	636.3
12.5°	579.9	581.2	581.2	594.2	604.3	616.5	626.6	639.7	656.9	667.0	672.1
15°	587.9	588.7	592.9	610.6	625.8	645.1	654.4	666.2	675.8	694.8	695.2
17.5°	595.0	599.7	612.3	632.1	651.0	669.5	684.3	696.5	704.9	712.5	710.8
20°	622.0	625.3	638.4	658.2	686.4	704.5	709.5	711.6	717.1	732.2	727.6
22.5°	648.1	649.3	661.5	691.8	711.6	735.6	741.1	739.8	741.9	745.7	752.4
25°	675.0	677.1	693.9	719.6	747.4	776.0	780.6	771.0	768.0	772.2	772.6
27.5°	709.5	709.9	731.4	753.7	785.3	812.2	819.3	811.8	797.9	801.2	806.7
30°	753.3	750.3	771.8	803.8	837.0	852.2	864.4	860.6	845.4	842.5	837.9
32.5°	803.8	804.6	824.0	858.9	880.8	906.0	919.1	912.8	903.1	898.0	901.0
35°	874.9	878.7	891.7	920.8	956.1	968.7	989.4	975.9	950.6	957.0	962.4
37.5°	933.4	944.3	968.7	1003.2	1024.3	1047.4	1055.0	1036.9	1018.4	1010.8	1028.9
40°	1023.0	1019.7	1046.6	1081.1	1112.2	1135.4	1125.7	1107.6	1061.7	1062.2	1067.2
42.5°	1100.0	1101.7	1122.3	1163.6	1206.1	1220.4	1189.7	1145.5	1094.6	1089.1	1100.0
45°	1164.8	1171.6	1183.4	1238.5	1280.1	1295.7	1238.9	1186.7	1118.6	1095.8	1113.9
47.5°	1188.0	1198.9	1224.6	1275.1	1316.3	1329.0	1283.5	1208.6	1140.9	1103.8	1113.5
50°	1191.4	1187.6	1229.6	1275.9	1312.1	1339.5	1299.5	1224.6	1135.4	1116.0	1113.1
52.5°	1099.2	1117.7	1162.7	1226.3	1299.5	1343.3	1313.8	1233.4	1143.0	1121.1	1113.9
55°	889.6	867.7	949.8	1056.7	1191.4	1313.0	1308.8	1238.1	1147.6	1129.5	1119.8
57.5°	496.6	502.9	549.2	665.3	839.1	1041.1	1163.6	1189.2	1145.5	1135.0	1140.0
60°	229.8	231.9	251.7	305.9	413.7	590.4	751.6	915.3	990.6	1005.8	1005.8
62.5°	171.3	170.4	175.5	185.2	207.9	271.4	362.3	492.4	595.9	668.3	687.2
65°	154.9	154.4	157.0	160.3	162.0	170.9	191.1	231.0	264.7	284.1	280.7
67.5°	135.5	135.1	135.9	138.0	141.0	145.6	150.7	159.1	170.9	170.0	167.9
70°	109.4	109.4	110.7	112.4	115.7	121.2	127.1	133.0	143.1	145.2	144.8
72.5°	80.8	79.5	82.1	85.4	88.8	95.5	101.8	107.3	114.5	116.6	115.7
75°	51.3	52.2	53.9	57.7	63.5	68.2	74.9	79.5	84.2	85.8	86.3
77.5°	28.6	29.5	32.4	37.0	42.9	48.0	53.9	57.7	60.6	61.0	61.4
80°	17.3	17.7	20.6	24.8	29.9	35.3	40.0	43.8	46.3	45.0	44.6
82.5°	10.5	10.9	13.5	17.3	21.5	25.7	30.7	34.1	36.6	34.9	33.2
85°	5.5	5.9	8.0	10.5	13.9	16.0	16.0	14.3	13.9	13.0	12.6
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)