

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: P526665

Luminaire Tested: **GALN-SA1C-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2728 lumens
Efficiency: N/A
Efficacy: 47.9 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

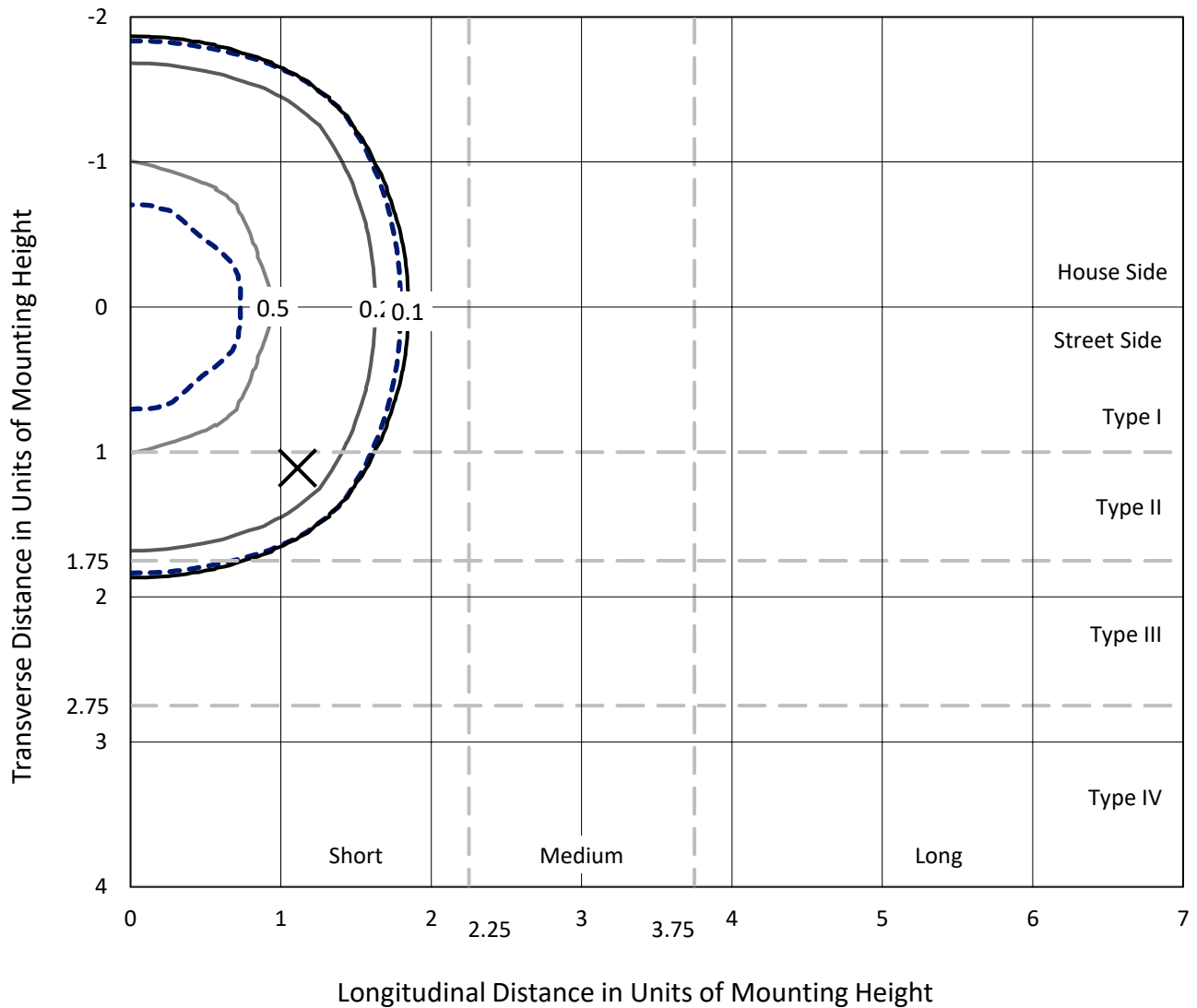
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

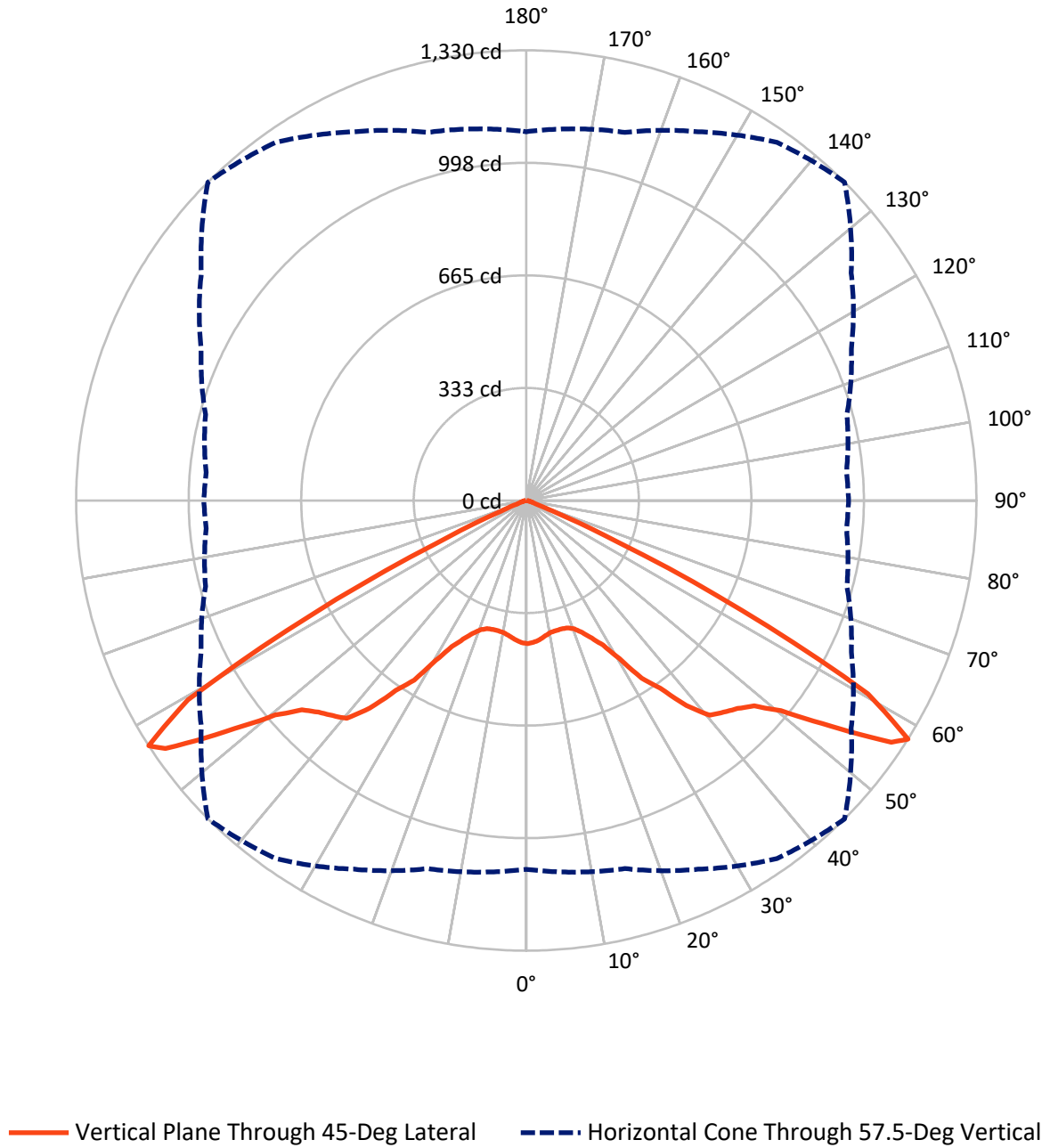
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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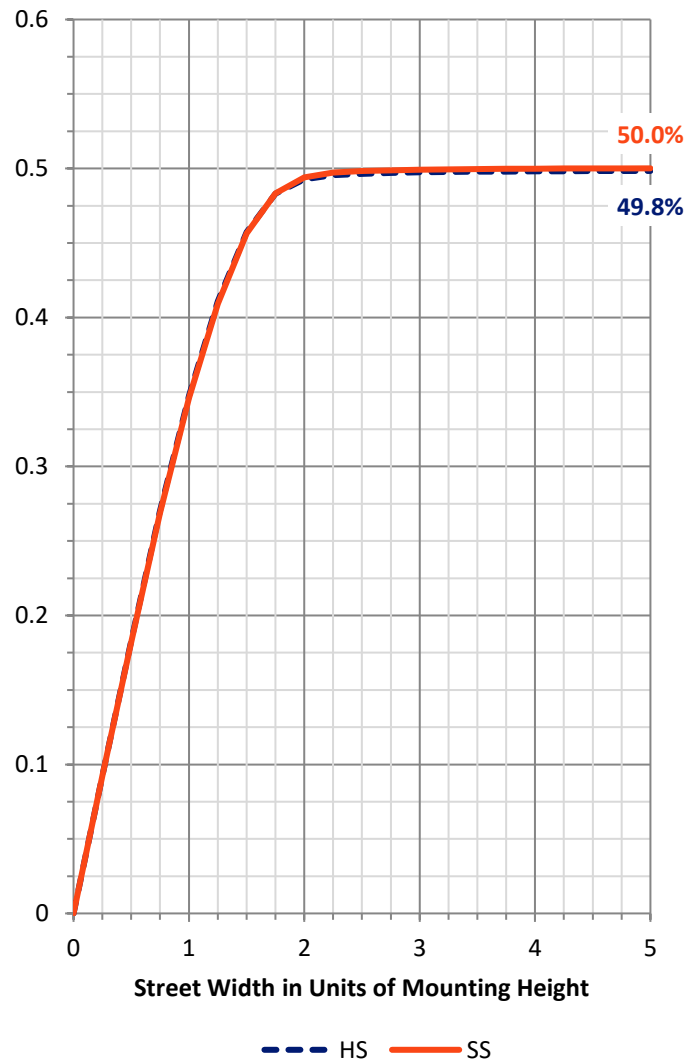
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1364.0	0.0	1364.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1364.0	0.0	1364.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2728.0	0.0	2728.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	1.4
10°-20°	112.4	4.1
20°-30°	207.5	7.6
30°-40°	408.0	15.0
40°-50°	664.5	24.4
50°-60°	947.7	34.7
60°-70°	328.1	12.0
70°-80°	17.6	0.6
80°-90°	3.3	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°	2728.0	100.0
0°-180°	2728.0	100.0

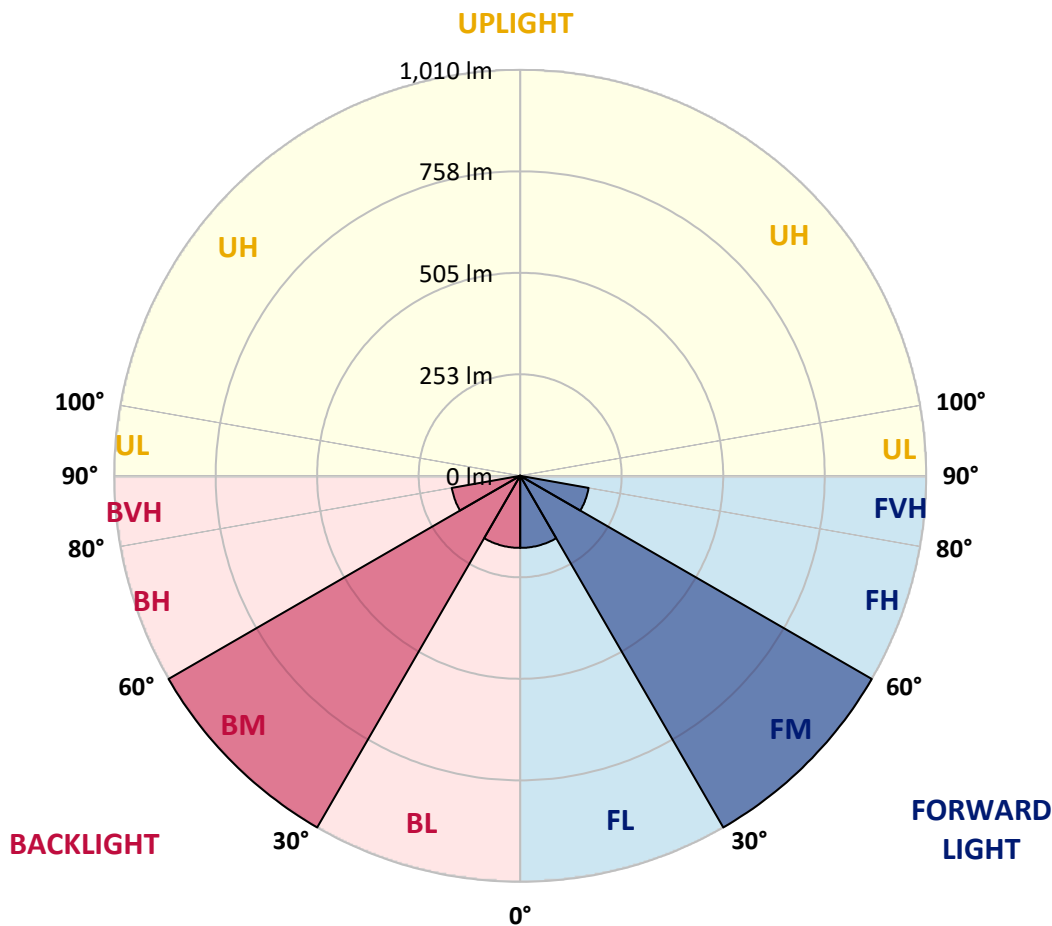


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.4	6.6			
FM (30°-60°)	1010.1	37.0			
FH (60°-80°)	172.9	6.3			G0/660
FVH (80°-90°)	1.6	0.1			G0/10
BL (0°-30°)	179.4	6.6	B1/500		
BM (30°-60°)	1010.1	37.0	B2/2500		
BH (60°-80°)	172.9	6.3	B1/500		G0/660
BVH (80°-90°)	1.6	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°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1
2.5°	422.0	424.3	421.4	420.3	419.7	419.7	418.0	418.0	417.5	418.0	415.7
5°	415.2	417.5	417.5	416.9	413.5	412.9	411.2	410.1	410.6	408.4	410.1
7.5°	408.4	410.1	407.8	407.2	406.1	403.8	403.2	398.1	398.7	398.7	399.8
10°	407.2	406.6	403.2	400.4	397.0	396.4	394.7	393.6	393.6	393.0	394.7
12.5°	407.2	404.4	403.8	397.5	391.9	394.1	389.6	386.7	390.7	391.9	394.1
15°	406.6	409.5	399.8	397.0	393.0	393.6	389.6	386.7	389.0	390.2	391.9
17.5°	410.1	408.4	405.5	399.8	398.1	395.8	390.7	388.4	388.4	391.3	391.9
20°	419.2	414.6	408.9	406.1	407.8	404.9	398.7	390.2	392.4	394.7	396.4
22.5°	427.7	424.3	420.3	418.6	428.3	423.7	412.9	403.2	399.8	403.8	406.6
25°	444.2	444.2	436.8	439.1	449.9	450.4	437.9	420.9	418.6	420.3	421.4
27.5°	477.7	479.4	473.2	475.5	480.0	484.0	473.2	459.0	453.9	453.3	455.0
30°	514.1	517.6	517.0	526.7	539.7	542.0	526.1	502.8	487.4	484.6	486.8
32.5°	561.9	563.6	562.5	573.9	609.1	625.6	584.1	551.1	530.6	535.8	530.6
35°	651.8	650.1	637.6	639.8	668.8	680.8	641.0	619.9	610.3	620.5	618.2
37.5°	729.1	722.9	712.6	727.4	757.6	768.4	726.8	689.9	672.2	689.3	696.7
40°	794.5	778.6	764.4	779.2	819.6	834.3	773.5	743.3	736.5	749.0	765.0
42.5°	849.7	839.5	820.7	821.8	848.6	855.4	806.5	788.8	782.0	801.9	809.9
45°	888.9	879.3	861.6	860.5	881.0	876.4	832.6	820.7	824.7	837.8	841.7
47.5°	908.8	914.0	903.7	906.6	917.4	906.6	871.9	871.9	862.8	870.7	866.8
50°	966.3	950.4	963.4	963.4	974.8	976.0	941.3	928.7	904.3	890.6	890.6
52.5°	1033.4	1034.5	1039.7	1058.4	1077.8	1094.3	1044.8	991.3	950.4	932.7	930.5
55°	1088.6	1099.9	1120.4	1155.7	1211.4	1234.2	1148.9	1053.3	1003.3	976.0	970.3
56°	1118.7	1107.9	1143.2	1191.5	1264.3	1293.9	1165.9	1065.8	1010.6	979.9	979.4
57.5°	1089.7	1101.6	1126.1	1202.3	1291.6	1330.3	1172.2	1060.1	981.1	949.8	952.6
60°	860.5	871.9	904.9	990.2	1130.1	1160.2	991.9	874.2	803.6	758.7	759.3
62.5°	486.8	495.4	521.0	600.0	687.0	716.0	618.2	539.7	490.8	465.8	457.8
65°	179.2	175.7	179.7	220.1	273.6	298.0	257.1	217.3	191.7	182.6	179.2
67.5°	67.1	62.0	58.0	62.0	77.9	82.5	75.6	63.1	59.1	60.9	62.0
70°	41.5	39.2	31.3	29.6	29.0	28.4	30.1	31.8	36.4	42.7	43.8
72.5°	29.0	27.3	22.2	21.0	19.9	19.3	22.2	24.5	28.4	33.0	33.6
75°	11.4	11.9	11.4	12.5	13.1	13.6	15.9	17.6	19.3	19.3	18.8
77.5°	2.3	2.3	3.4	4.5	5.7	7.4	10.8	12.5	13.1	12.5	10.8
80°	0.0	0.0	1.1	2.3	4.5	6.3	9.7	10.8	11.9	10.8	8.5
82.5°	0.0	0.0	1.1	2.8	4.5	5.7	9.1	11.4	13.1	11.9	9.1
85°	0.0	0.0	1.1	2.3	3.4	4.0	4.0	2.8	2.8	1.7	1.1
87.5°	0.0	0.0	0.0	0.0	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)