

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: P526039

Luminaire Tested: **GALN-SA1A-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2659 lumens
Efficiency: N/A
Efficacy: 80.6 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

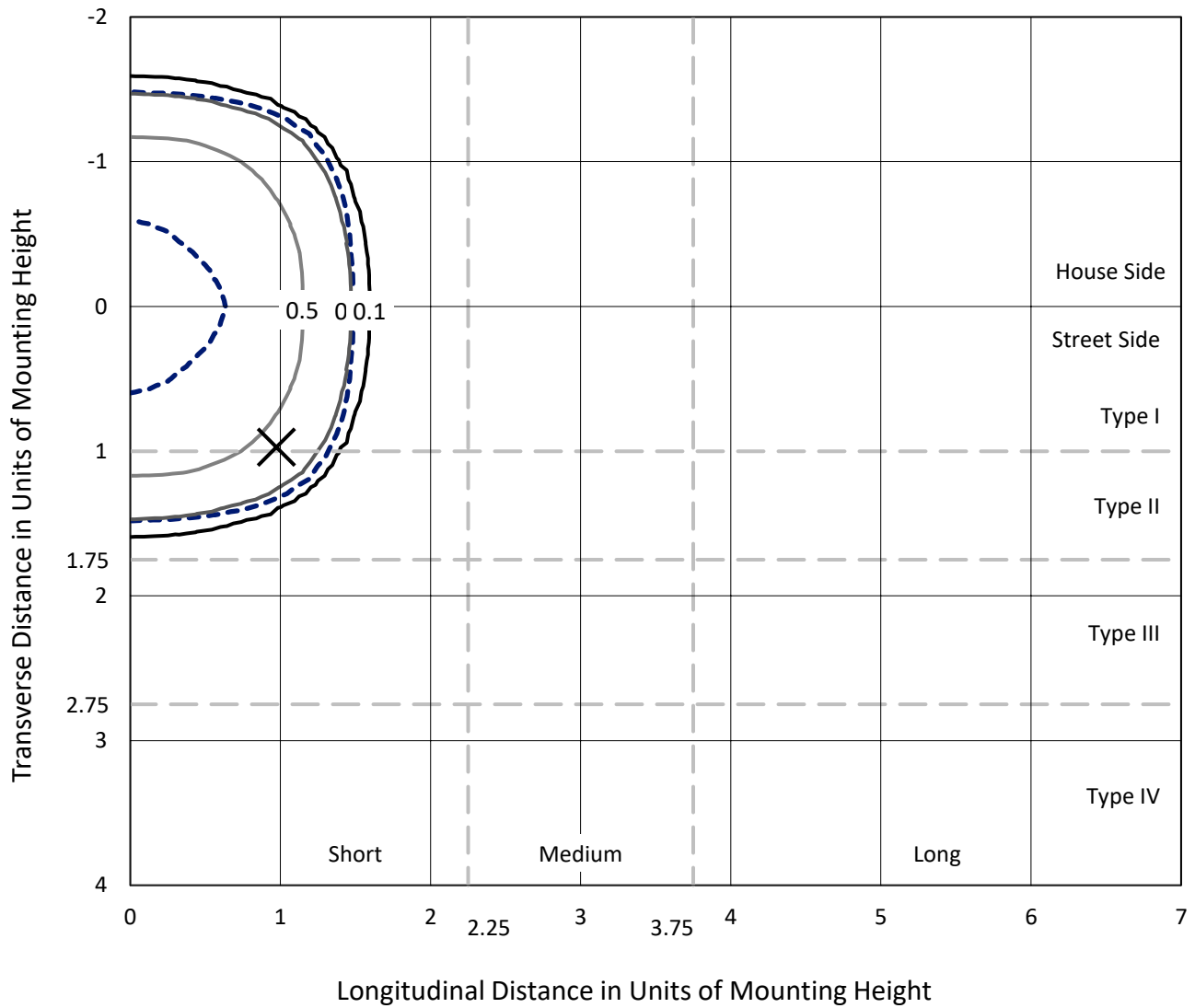
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

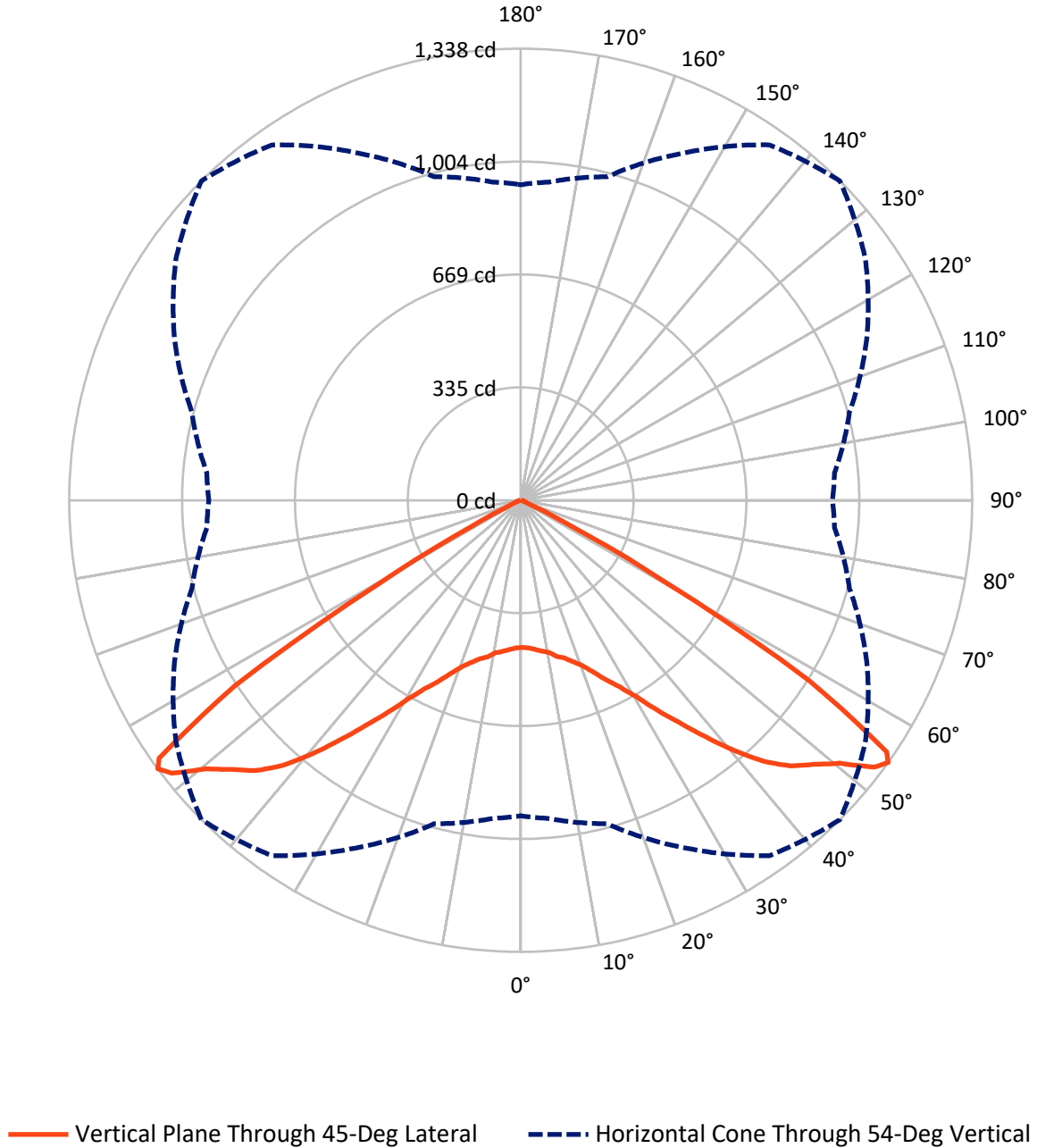
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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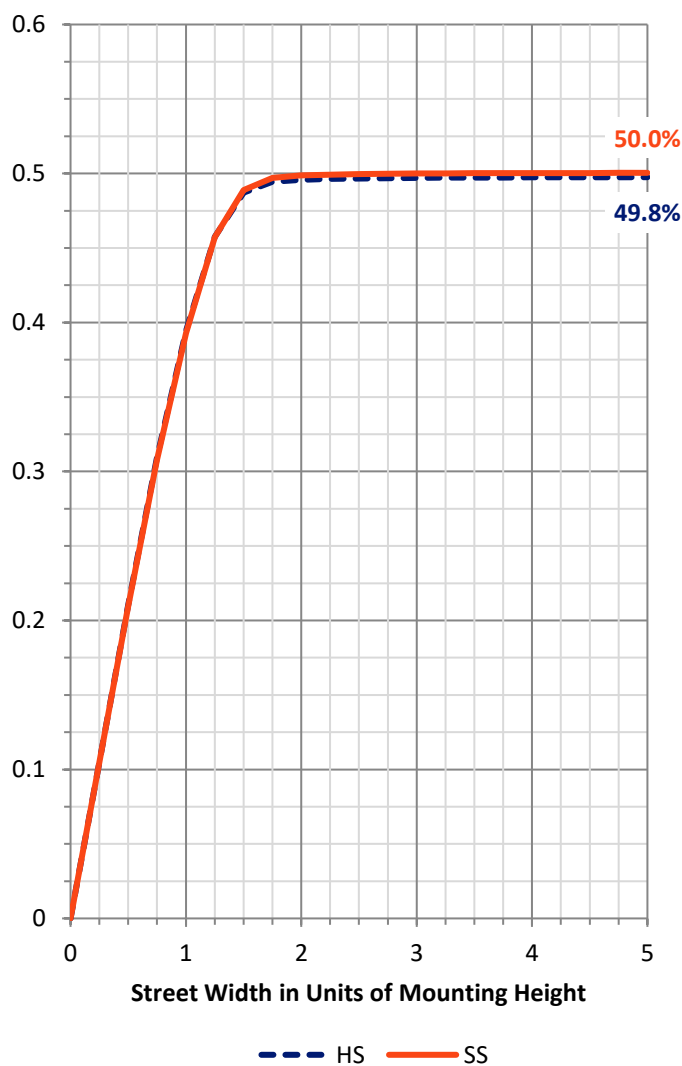
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1329.5	0.0	1329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1329.5	0.0	1329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2659.0	0.0	2659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.6
10°-20°	138.2	5.2
20°-30°	270.8	10.2
30°-40°	487.0	18.3
40°-50°	833.7	31.4
50°-60°	806.7	30.3
60°-70°	69.1	2.6
70°-80°	8.2	0.3
80°-90°	2.6	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°	2659.0	100.0
0°-180°	2659.0	100.0

Coefficient of Utilization



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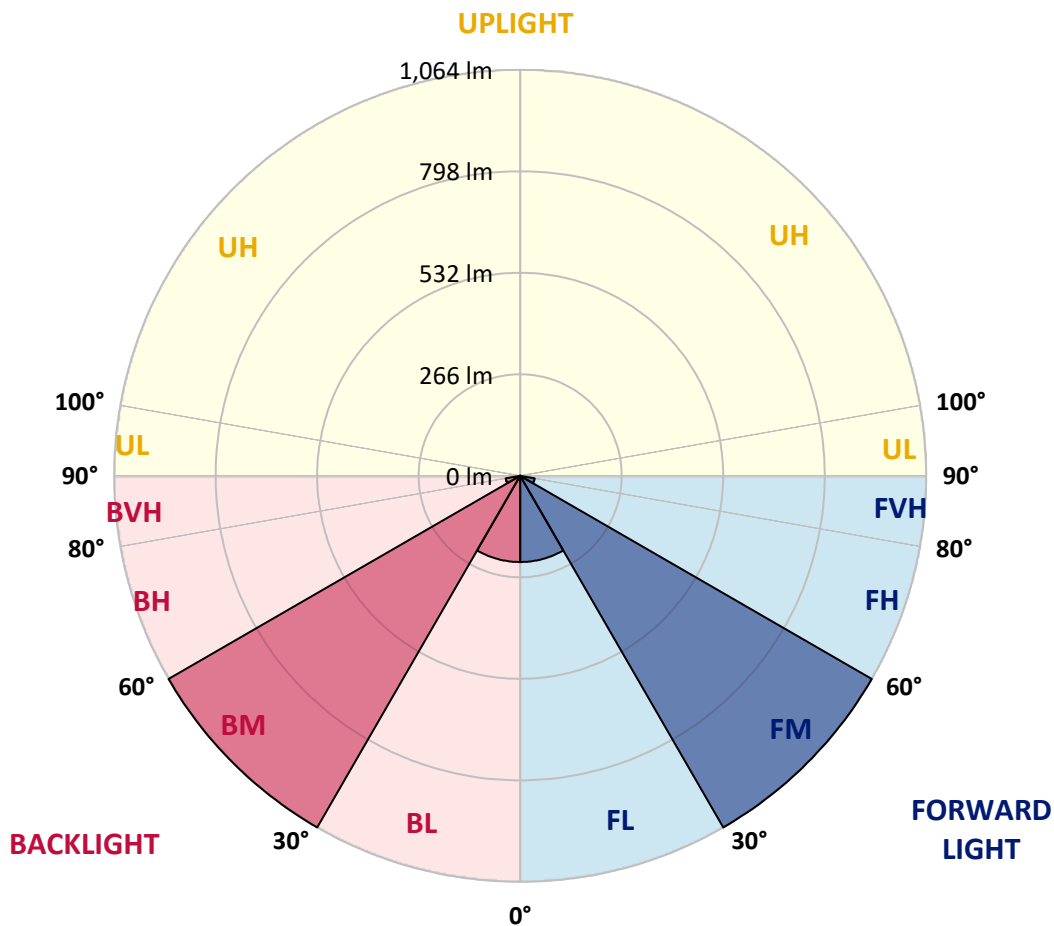
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	8.5			
FM (30°-60°)	1063.7	40.0			
FH (60°-80°)	38.6	1.5			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	225.9	8.5	B1/500		
BM (30°-60°)	1063.7	40.0	B2/2500		
BH (60°-80°)	38.6	1.5	B0/110		G0/660
BVH (80°-90°)	1.3	0.0			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°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	438.1	440.6	438.9	440.2	440.2	438.1	439.4	434.3	437.7	435.2	435.6
5°	444.8	444.4	444.4	444.8	443.2	444.0	442.3	440.6	439.4	437.7	442.7
7.5°	453.3	453.3	450.3	451.2	450.3	451.6	448.2	444.8	443.6	442.3	441.5
10°	461.3	460.4	459.2	463.0	460.0	458.3	456.6	454.5	449.9	448.2	446.5
12.5°	473.1	472.6	471.0	474.7	473.1	474.7	468.4	463.0	462.1	456.6	459.6
15°	487.0	490.8	487.8	487.8	487.0	484.9	482.3	479.8	472.2	470.1	470.5
17.5°	505.1	503.8	504.2	504.2	508.4	503.0	497.9	491.6	487.8	486.5	482.3
20°	522.3	524.0	523.6	526.6	529.1	523.2	517.7	516.9	506.3	508.0	502.1
22.5°	552.7	551.4	553.5	555.6	553.9	553.1	548.0	541.7	532.5	528.2	527.4
25°	584.7	582.6	578.8	583.9	586.4	590.2	580.5	577.1	562.8	556.5	556.9
27.5°	612.1	615.0	619.2	621.3	627.7	626.4	619.7	608.7	597.8	590.6	586.0
30°	649.6	651.3	658.4	661.4	672.3	675.3	664.7	652.1	632.7	623.4	618.0
32.5°	684.1	695.9	695.5	710.2	727.9	740.1	721.2	701.8	682.4	671.5	661.8
35°	740.1	738.0	750.2	765.8	794.5	808.4	787.7	765.4	735.9	718.2	710.6
37.5°	792.4	793.2	809.6	834.5	867.4	888.8	870.7	834.1	803.7	781.0	770.5
40°	868.2	869.9	886.7	915.0	952.0	975.2	954.1	917.1	876.6	858.9	858.9
42.5°	957.1	964.2	975.2	999.6	1032.9	1058.6	1039.6	1010.6	969.7	947.0	950.3
45°	1048.5	1051.9	1059.0	1095.2	1110.8	1123.5	1105.8	1092.3	1064.9	1037.1	1032.5
47.5°	1134.0	1135.3	1156.3	1167.7	1179.9	1169.4	1180.8	1163.1	1132.3	1105.4	1099.9
50°	1171.9	1169.8	1199.7	1234.3	1243.5	1225.0	1215.3	1203.5	1156.8	1124.3	1110.0
52.5°	1061.5	1073.8	1129.4	1225.4	1297.9	1313.5	1257.0	1202.7	1115.5	1052.3	1042.6
54°	935.2	946.5	992.5	1134.8	1285.7	1338.3	1247.3	1131.9	1008.9	933.9	924.2
55°	810.1	797.4	880.8	1026.2	1228.4	1316.4	1209.0	1040.5	899.8	831.1	817.6
57.5°	438.5	440.6	511.0	648.3	863.1	1009.3	891.4	703.9	531.6	454.5	447.8
60°	139.0	142.4	173.1	262.0	412.4	492.4	422.1	282.7	195.5	156.7	150.4
62.5°	43.4	45.1	49.3	73.3	112.9	161.3	126.4	75.8	56.4	51.8	52.7
65°	26.5	26.5	27.0	28.6	33.7	39.2	37.9	33.3	32.0	31.2	30.8
67.5°	17.3	16.8	17.7	19.0	19.8	20.2	21.5	22.7	22.3	21.5	21.5
70°	10.5	10.1	11.0	12.6	13.1	13.9	15.2	16.8	16.4	15.6	16.0
72.5°	5.9	5.9	6.3	7.6	8.8	9.7	11.0	12.2	12.6	12.2	12.2
75°	2.1	2.5	3.4	4.6	5.5	6.7	8.0	9.3	10.5	9.7	9.3
77.5°	0.8	0.8	1.7	2.9	4.2	5.5	7.6	8.8	9.7	8.8	8.0
80°	0.4	0.4	1.3	2.5	3.8	5.1	6.3	7.6	8.0	7.2	6.3
82.5°	0.4	0.4	1.3	2.5	3.8	4.6	6.7	7.6	8.4	7.6	6.3
85°	0.0	0.4	1.3	2.5	3.4	3.8	3.8	2.5	2.1	1.3	1.3
87.5°	0.0	0.0	0.4	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)