

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: P526197

Luminaire Tested: **GALN-SA1A-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526197
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-SA1A-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA 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: 1774 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

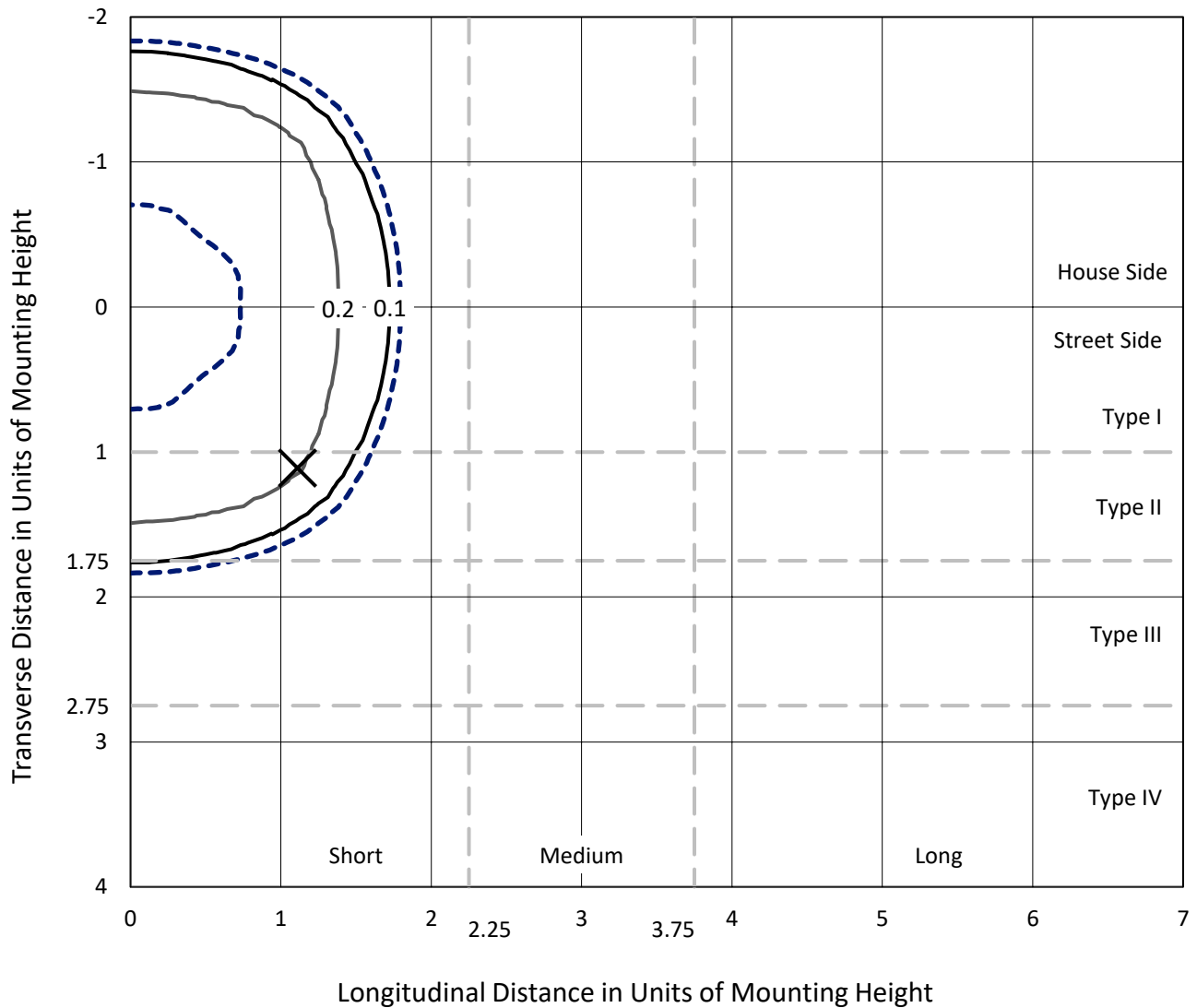
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

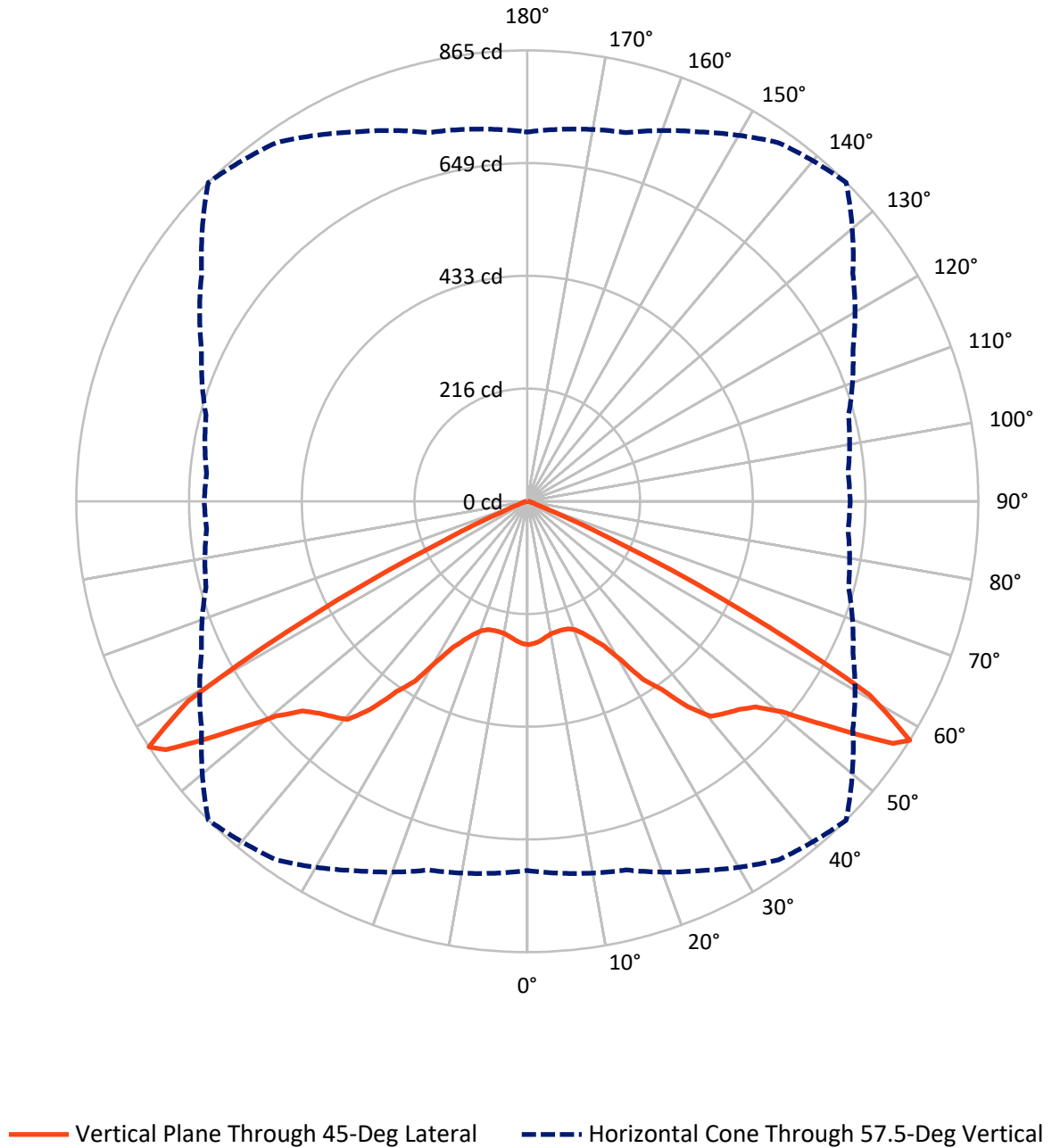
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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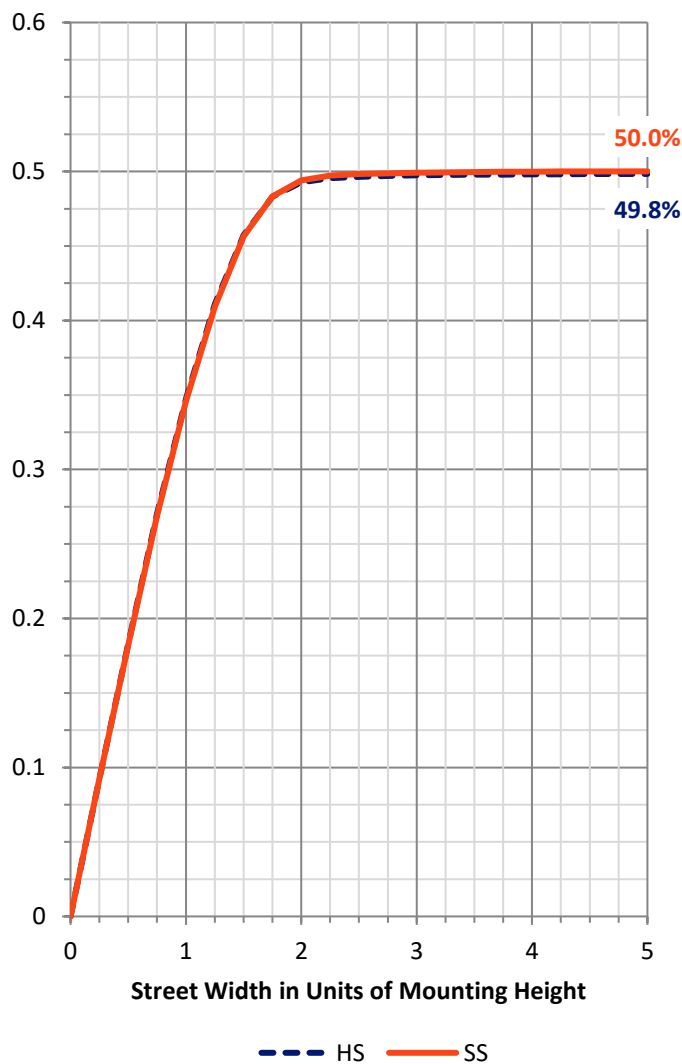
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	887.0	0.0	887.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	887.0	0.0	887.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1774.0	0.0	1774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	1.4
10°-20°	73.1	4.1
20°-30°	134.9	7.6
30°-40°	265.3	15.0
40°-50°	432.1	24.4
50°-60°	616.3	34.7
60°-70°	213.4	12.0
70°-80°	11.4	0.6
80°-90°	2.1	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°	1774.0	100.0
0°-180°	1774.0	100.0

Coefficient of Utilization



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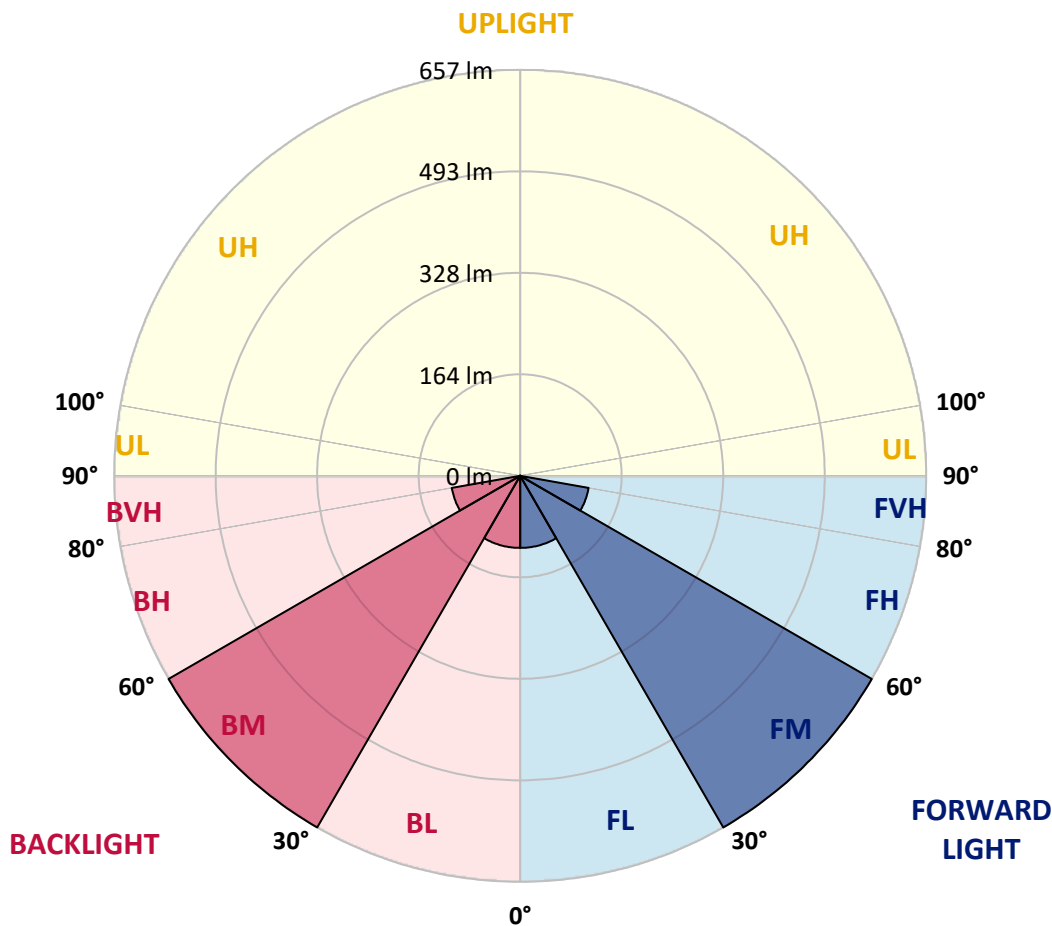
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.6	6.6			
FM (30°-60°)	656.9	37.0			
FH (60°-80°)	112.4	6.3			G0/660
FVH (80°-90°)	1.1	0.1			G0/10
BL (0°-30°)	116.6	6.6	B1/500		
BM (30°-60°)	656.9	37.0	B1/1000		
BH (60°-80°)	112.4	6.3	B1/500		G0/660
BVH (80°-90°)	1.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2.5°	274.4	275.9	274.1	273.3	272.9	272.9	271.8	271.8	271.5	271.8	270.4
5°	270.0	271.5	271.5	271.1	268.9	268.5	267.4	266.7	267.0	265.5	266.7
7.5°	265.5	266.7	265.2	264.8	264.1	262.6	262.2	258.9	259.3	259.3	260.0
10°	264.8	264.4	262.2	260.4	258.2	257.8	256.7	255.9	255.9	255.6	256.7
12.5°	264.8	263.0	262.6	258.5	254.8	256.3	253.3	251.5	254.1	254.8	256.3
15°	264.4	266.3	260.0	258.2	255.6	255.9	253.3	251.5	253.0	253.7	254.8
17.5°	266.7	265.5	263.7	260.0	258.9	257.4	254.1	252.6	252.6	254.5	254.8
20°	272.6	269.6	265.9	264.1	265.2	263.3	259.3	253.7	255.2	256.7	257.8
22.5°	278.1	275.9	273.3	272.2	278.5	275.5	268.5	262.2	260.0	262.6	264.4
25°	288.9	288.9	284.0	285.5	292.5	292.9	284.8	273.7	272.2	273.3	274.1
27.5°	310.7	311.8	307.7	309.2	312.2	314.7	307.7	298.5	295.1	294.8	295.9
30°	334.3	336.6	336.2	342.5	351.0	352.5	342.1	326.9	317.0	315.1	316.6
32.5°	365.4	366.5	365.8	373.2	396.1	406.8	379.8	358.4	345.1	348.4	345.1
35°	423.8	422.7	414.6	416.1	434.9	442.7	416.8	403.1	396.8	403.5	402.0
37.5°	474.1	470.1	463.4	473.0	492.6	499.7	472.7	448.6	437.2	448.3	453.1
40°	516.7	506.3	497.1	506.7	532.9	542.6	503.0	483.4	479.0	487.1	497.4
42.5°	552.6	545.9	533.7	534.4	551.8	556.2	524.4	513.0	508.5	521.5	526.7
45°	578.1	571.8	560.3	559.6	572.9	569.9	541.5	533.7	536.3	544.8	547.4
47.5°	591.0	594.3	587.7	589.5	596.6	589.5	567.0	567.0	561.1	566.2	563.6
50°	628.4	618.0	626.5	626.5	633.9	634.7	612.1	604.0	588.1	579.2	579.2
52.5°	672.0	672.8	676.1	688.3	700.9	711.6	679.4	644.6	618.0	606.5	605.1
55°	707.9	715.3	728.6	751.5	787.8	802.6	747.1	685.0	652.4	634.7	631.0
56°	727.5	720.5	743.4	774.8	822.2	841.4	758.2	693.1	657.2	637.2	636.9
57.5°	708.6	716.4	732.3	781.9	839.9	865.1	762.3	689.4	638.0	617.6	619.5
60°	559.6	567.0	588.4	643.9	734.9	754.5	645.0	568.5	522.6	493.4	493.7
62.5°	316.6	322.1	338.8	390.2	446.8	465.6	402.0	351.0	319.2	302.9	297.7
65°	116.5	114.3	116.9	143.1	177.9	193.8	167.2	141.3	124.6	118.7	116.5
67.5°	43.6	40.3	37.7	40.3	50.7	53.6	49.2	41.1	38.5	39.6	40.3
70°	27.0	25.5	20.3	19.2	18.9	18.5	19.6	20.7	23.7	27.7	28.5
72.5°	18.9	17.8	14.4	13.7	12.9	12.6	14.4	15.9	18.5	21.5	21.8
75°	7.4	7.8	7.4	8.1	8.5	8.9	10.4	11.5	12.6	12.6	12.2
77.5°	1.5	1.5	2.2	3.0	3.7	4.8	7.0	8.1	8.5	8.1	7.0
80°	0.0	0.0	0.7	1.5	3.0	4.1	6.3	7.0	7.8	7.0	5.5
82.5°	0.0	0.0	0.7	1.8	3.0	3.7	5.9	7.4	8.5	7.8	5.9
85°	0.0	0.0	0.7	1.5	2.2	2.6	2.6	1.8	1.8	1.1	0.7
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)