

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: P#

Luminaire Tested: **ARCH2-30-AMB-U-5WQ**

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ARCH2-30-AMB-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 300mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: -

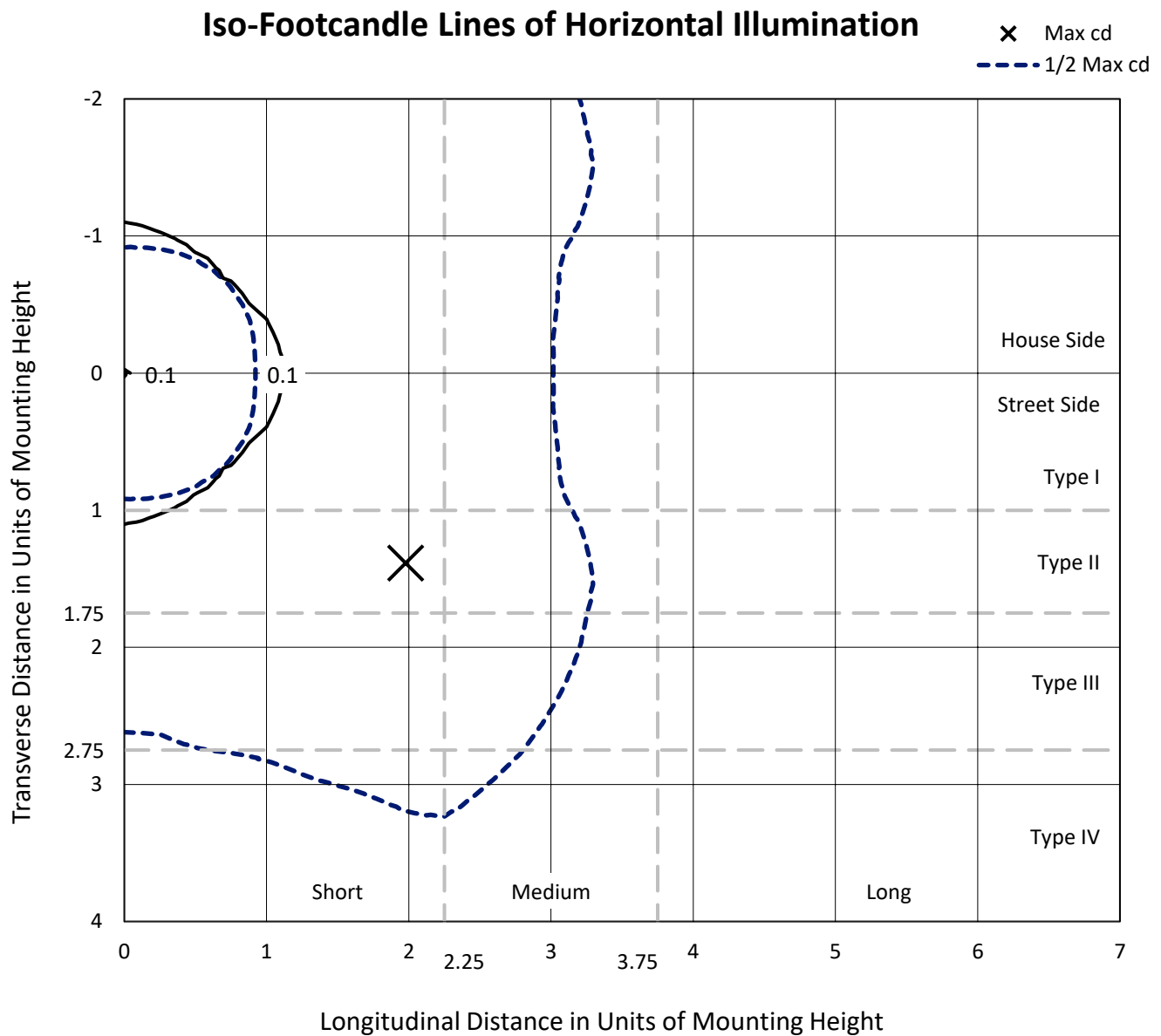
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 952 lumens
Efficiency: N/A
Efficacy: 32.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 29.5
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

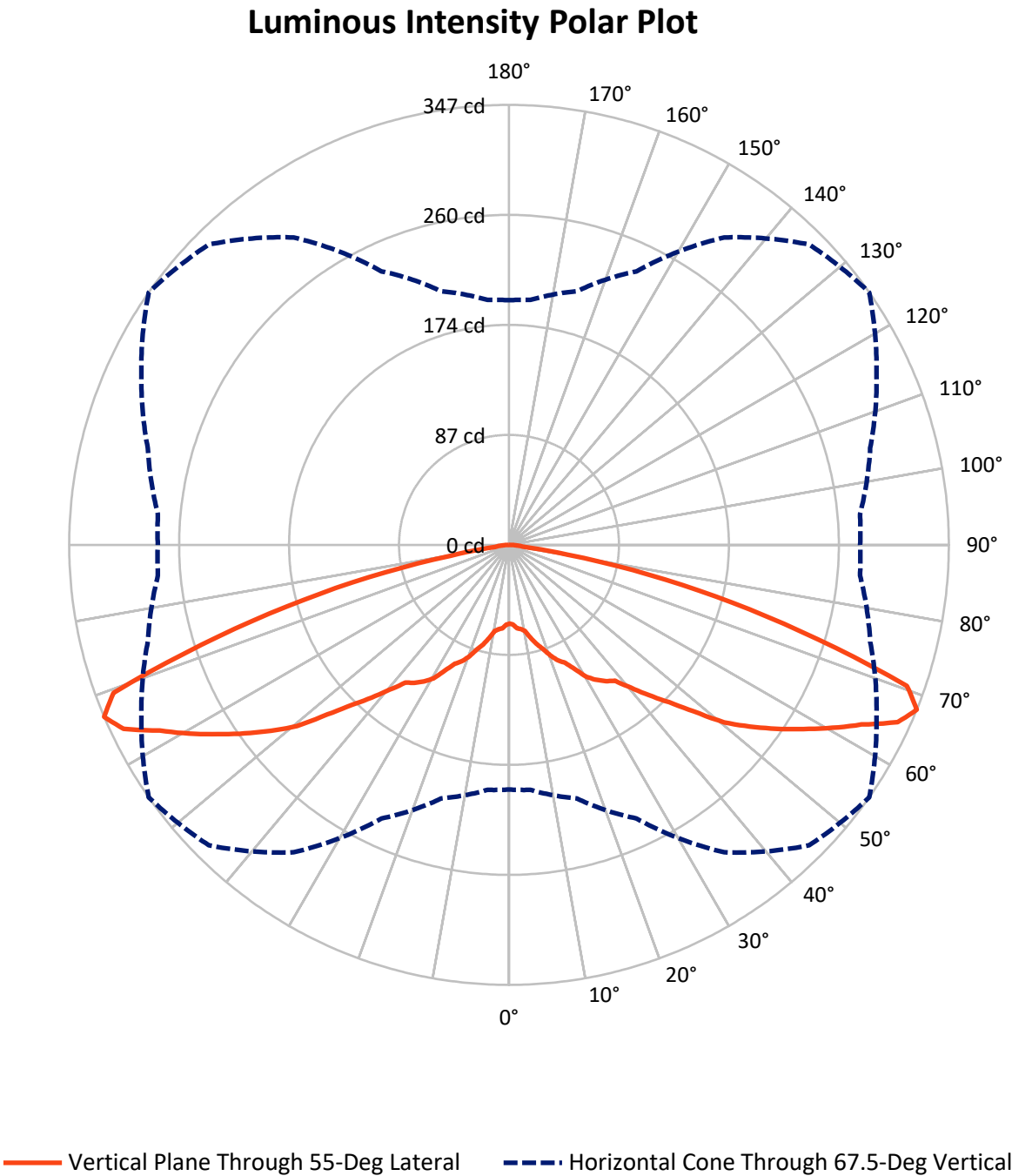


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Based on 25 foot mounting height. Maximum calculated value = 0.1 fc
Type V - Short - N/A

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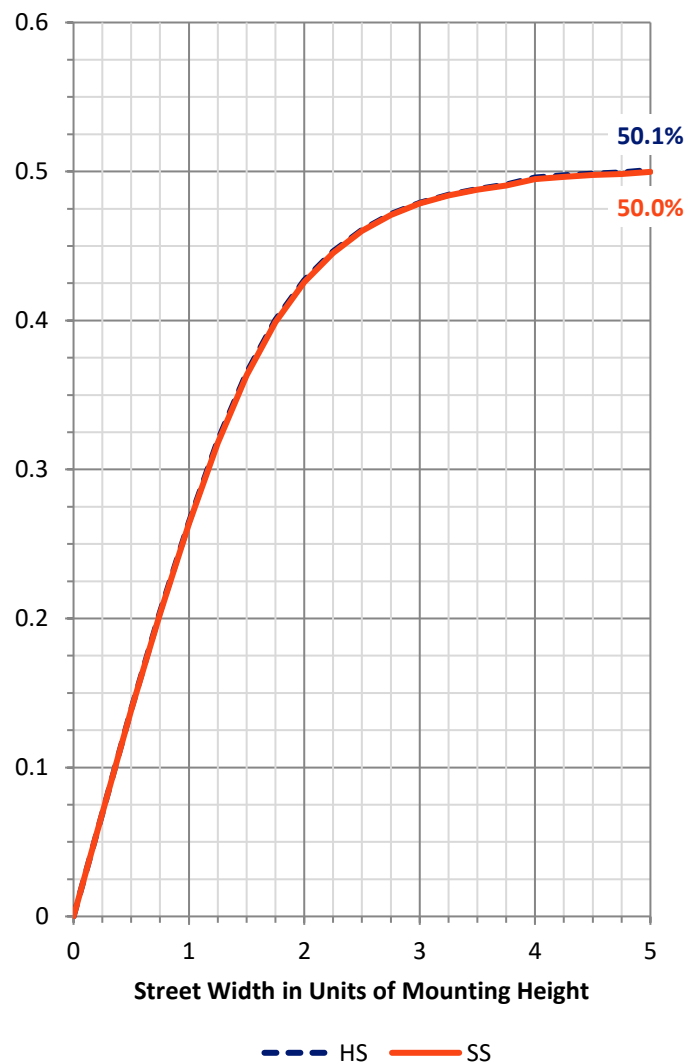
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	476.0	0.0	476.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	476.0	0.0	476.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	952.0	0.0	952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.7
10°-20°	23.6	2.5
20°-30°	47.6	5.0
30°-40°	83.1	8.7
40°-50°	142.3	15.0
50°-60°	220.0	23.1
60°-70°	272.4	28.6
70°-80°	146.9	15.4
80°-90°	9.7	1.0
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°	952.0	100.0
0°-180°	952.0	100.0

Coefficient of Utilization



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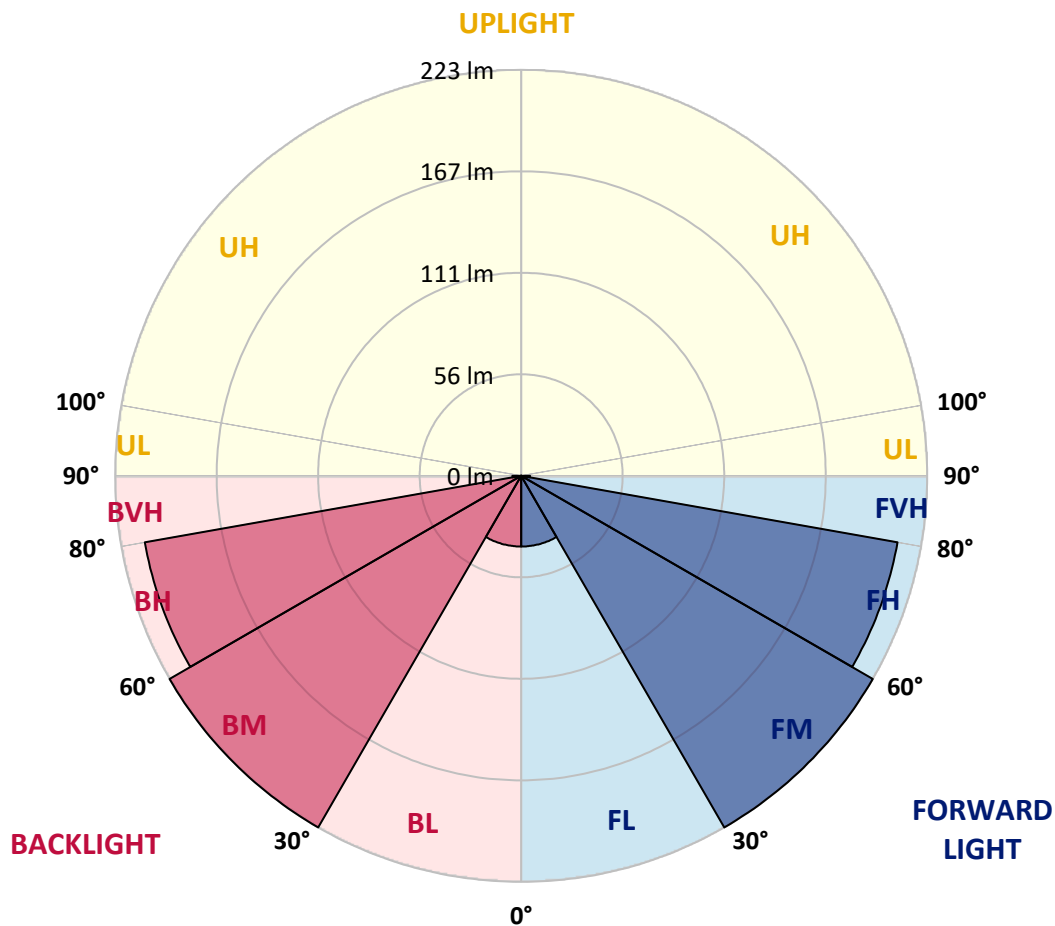
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	38.8	4.1			
FM	(30°-60°)	222.7	23.4			
FH	(60°-80°)	209.6	22.0			G0/660
FVH	(80°-90°)	4.9	0.5			G0/10
BL	(0°-30°)	38.8	4.1	B0/110		
BM	(30°-60°)	222.7	23.4	B1/1000		
BH	(60°-80°)	209.6	22.0	B1/500		G0/660
BVH	(80°-90°)	4.9	0.5			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°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2.5°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
5°	65.0	65.0	65.0	65.0	66.0	66.0	66.0	65.0	65.0	65.0	65.0
7.5°	66.0	66.0	66.0	67.0	68.0	68.0	67.0	66.0	65.0	65.0	65.0
10°	69.0	69.0	69.0	69.0	70.0	71.0	69.0	68.0	67.0	67.0	67.0
12.5°	75.0	76.0	75.0	75.0	75.0	75.0	75.0	74.0	73.0	73.0	73.0
15°	83.0	84.0	83.0	82.0	81.0	81.0	81.0	81.0	82.0	83.0	84.0
17.5°	92.0	93.0	91.0	89.0	88.0	87.0	86.0	88.0	90.0	92.0	92.0
20°	98.0	98.0	96.0	95.0	94.0	93.0	93.0	94.0	96.0	96.0	96.0
22.5°	99.0	99.0	99.0	99.0	98.0	99.0	99.0	98.0	97.0	97.0	97.0
25°	100.0	100.0	100.0	101.0	103.0	105.0	103.0	99.0	98.0	98.0	98.0
27.5°	101.0	101.0	104.0	108.0	113.0	116.0	111.0	104.0	100.0	97.0	97.0
30°	109.0	108.0	110.0	116.0	123.0	124.0	121.0	114.0	107.0	100.0	99.0
32.5°	119.0	119.0	120.0	125.0	129.0	129.0	127.0	121.0	116.0	115.0	116.0
35°	130.0	131.0	133.0	134.0	133.0	133.0	132.0	129.0	128.0	128.0	128.0
37.5°	142.0	142.0	143.0	144.0	139.0	137.0	136.0	141.0	141.0	136.0	134.0
40°	157.0	157.0	156.0	155.0	151.0	143.0	148.0	153.0	152.0	152.0	152.0
42.5°	172.0	172.0	169.0	166.0	162.0	159.0	162.0	163.0	167.0	172.0	173.0
45°	189.0	187.0	182.0	179.0	176.0	178.0	177.0	178.0	185.0	190.0	190.0
47.5°	204.0	203.0	199.0	195.0	197.0	195.0	196.0	200.0	204.0	206.1	206.1
50°	221.1	218.1	212.1	215.1	216.1	216.1	220.1	219.1	220.1	223.1	223.1
52.5°	226.1	225.1	228.1	229.1	236.1	239.1	238.1	236.1	233.1	230.1	230.1
55°	233.1	234.1	239.1	245.1	254.1	259.1	256.1	249.1	243.1	233.1	230.1
57.5°	240.1	237.1	241.1	255.1	274.1	281.1	274.1	262.1	246.1	248.1	250.1
60°	234.1	232.1	241.1	259.1	289.1	301.1	293.1	271.1	262.1	258.1	256.1
62.5°	221.1	220.1	234.1	263.1	298.1	319.1	312.1	293.1	275.1	269.1	267.1
65°	204.0	205.1	218.1	254.1	309.1	335.1	337.1	308.1	288.1	287.1	287.1
67.5°	193.0	194.0	207.1	238.1	296.1	335.1	347.1	320.1	295.1	278.1	277.1
70°	161.0	163.0	193.0	223.1	277.1	307.1	333.1	300.1	254.1	230.1	230.1
72.5°	87.0	89.0	126.0	185.0	227.1	249.1	255.1	232.1	170.0	146.0	143.0
75°	65.0	65.0	87.0	131.0	196.0	199.0	182.0	162.0	126.0	118.0	120.0
77.5°	15.0	16.0	47.0	96.0	123.0	108.0	113.0	125.0	95.0	73.0	80.0
80°	11.0	11.0	13.0	31.0	54.0	71.0	47.0	25.0	23.0	16.0	15.0
82.5°	8.0	8.0	9.0	10.0	12.0	13.0	11.0	11.0	12.0	10.0	9.0
85°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	6.0	5.0
87.5°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0
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)