Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P525463

Luminaire Tested: **IFLD-L-SA8C-927-U-44**

Issue Date: 05/27/2021

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P525463
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	05/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	IFLD-L-SA8C-927-U-44
Description:	Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source:	(128) 2700K CCT, 90 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32435.2 lumens
Efficiency:	N/A
Efficacy:	77.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G1

Input Watts (W):	420.3
Input Voltage (V):	120
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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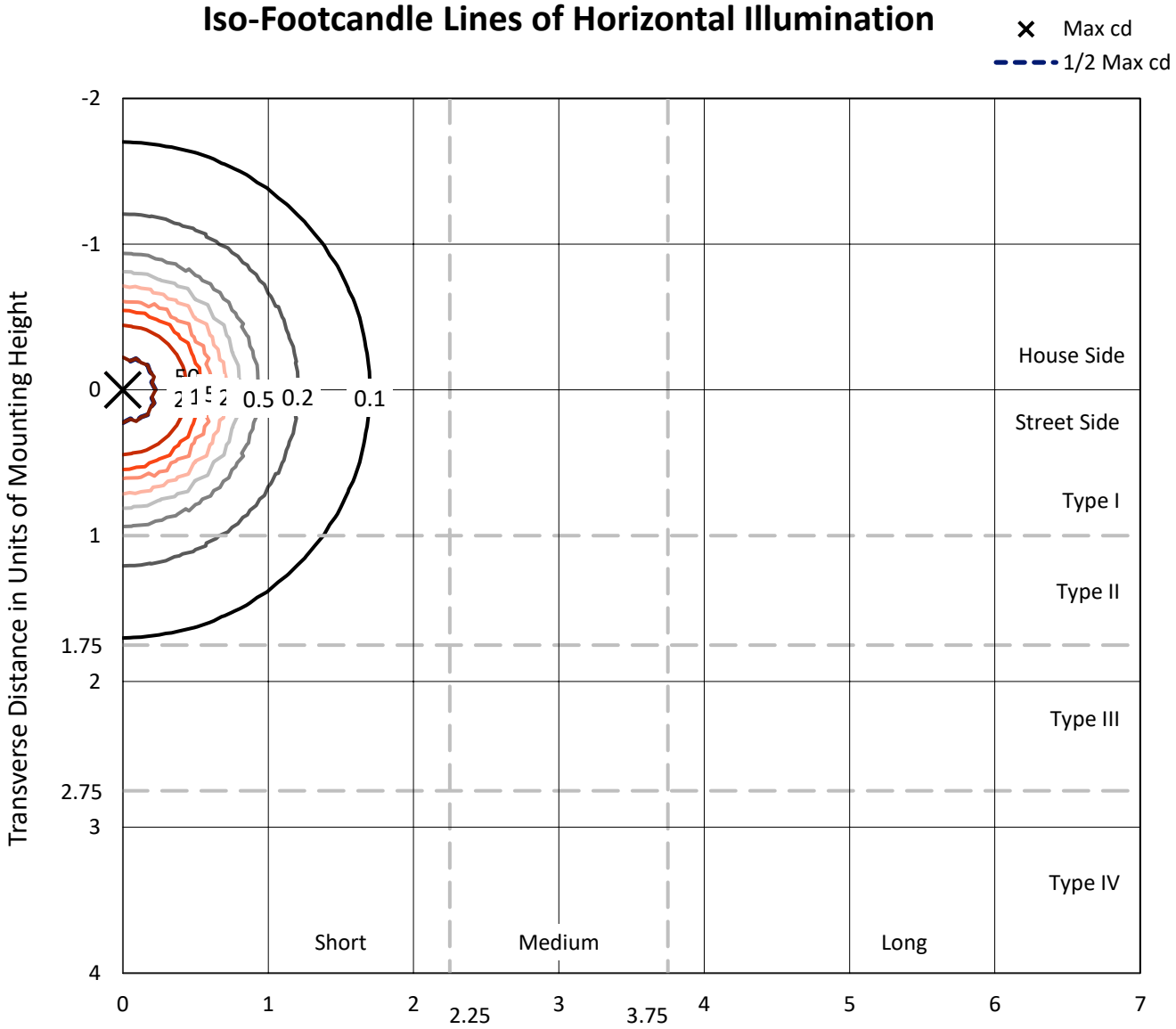
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 108 fc
Type V - Short - N/A

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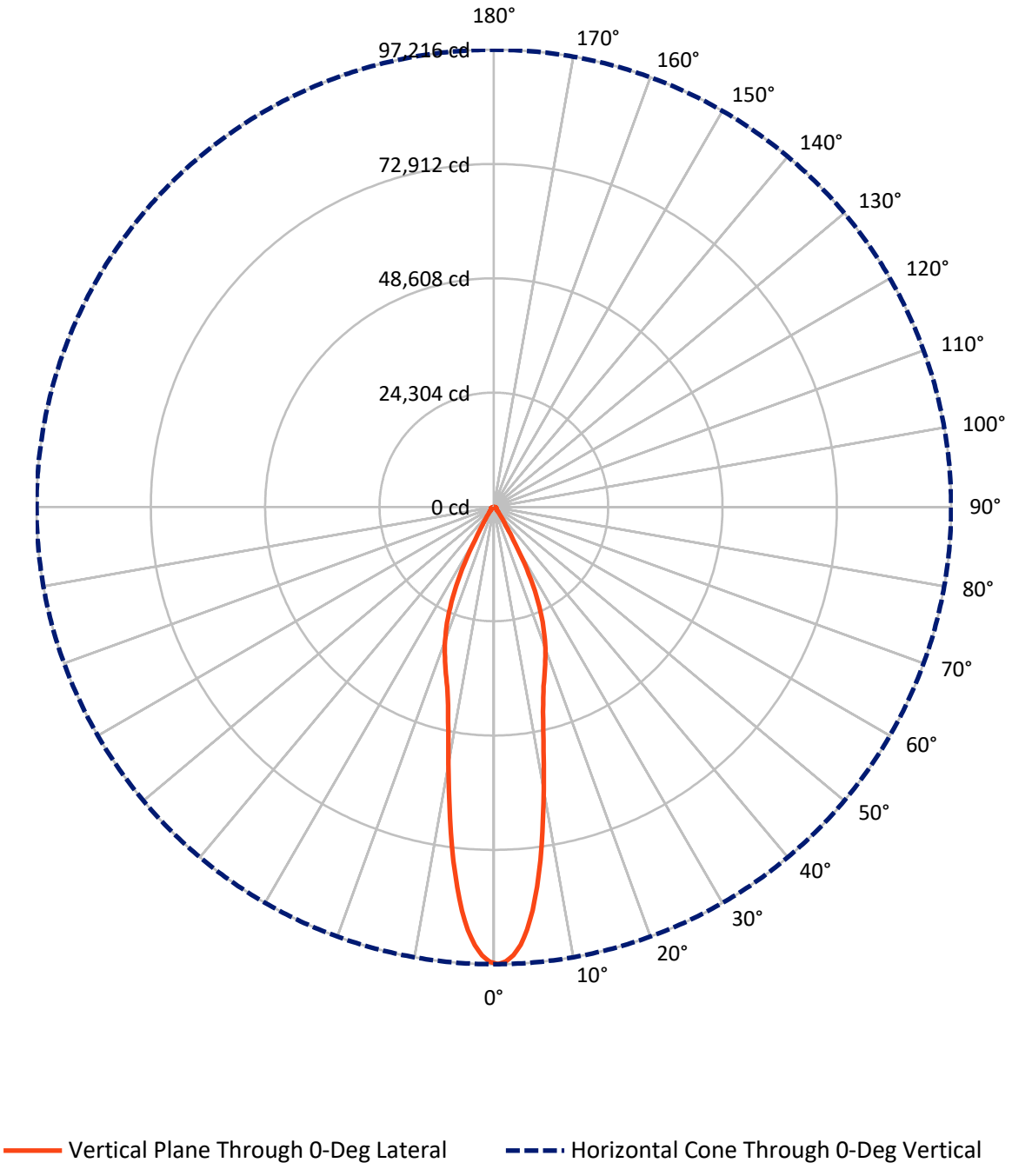
Luminous Intensity Polar Plot



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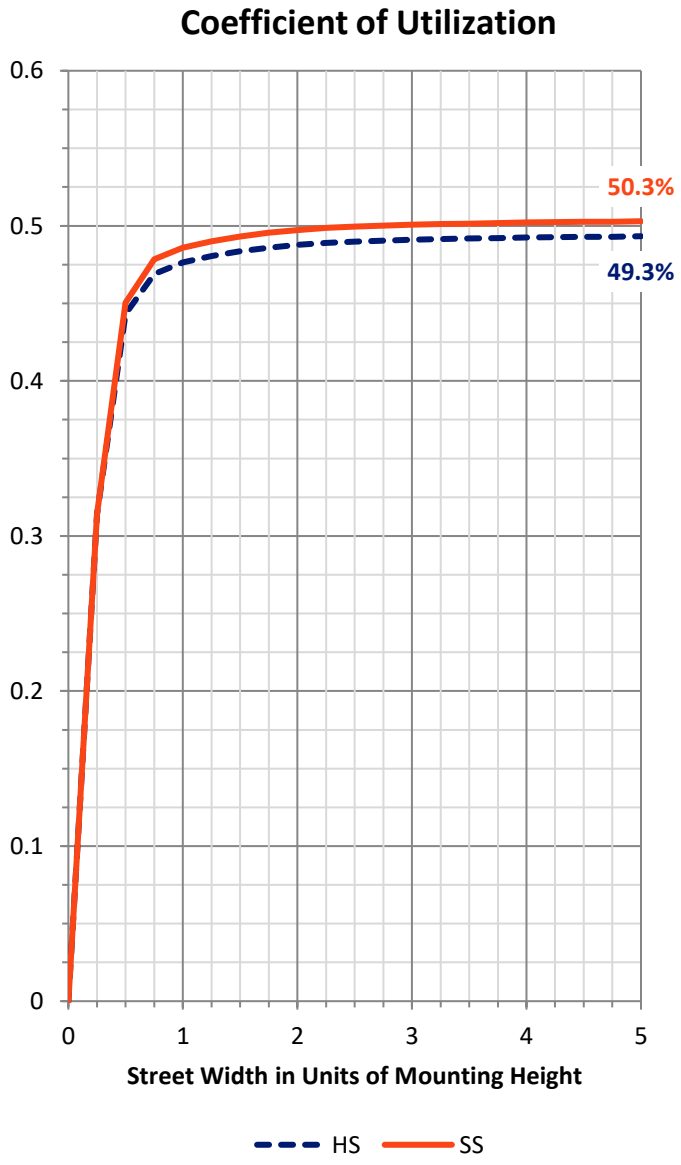
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16217.6	0.0	16217.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16217.6	0.0	16217.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	32435.2	0.0	32435.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7277.4	22.4
10°-20°	11349.4	35.0
20°-30°	9196.8	28.4
30°-40°	2232.1	6.9
40°-50°	751.2	2.3
50°-60°	593.6	1.8
60°-70°	592.1	1.8
70°-80°	326.8	1.0
80°-90°	115.8	0.4
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°	32435.2	100.0
0°-180°	32435.2	100.0



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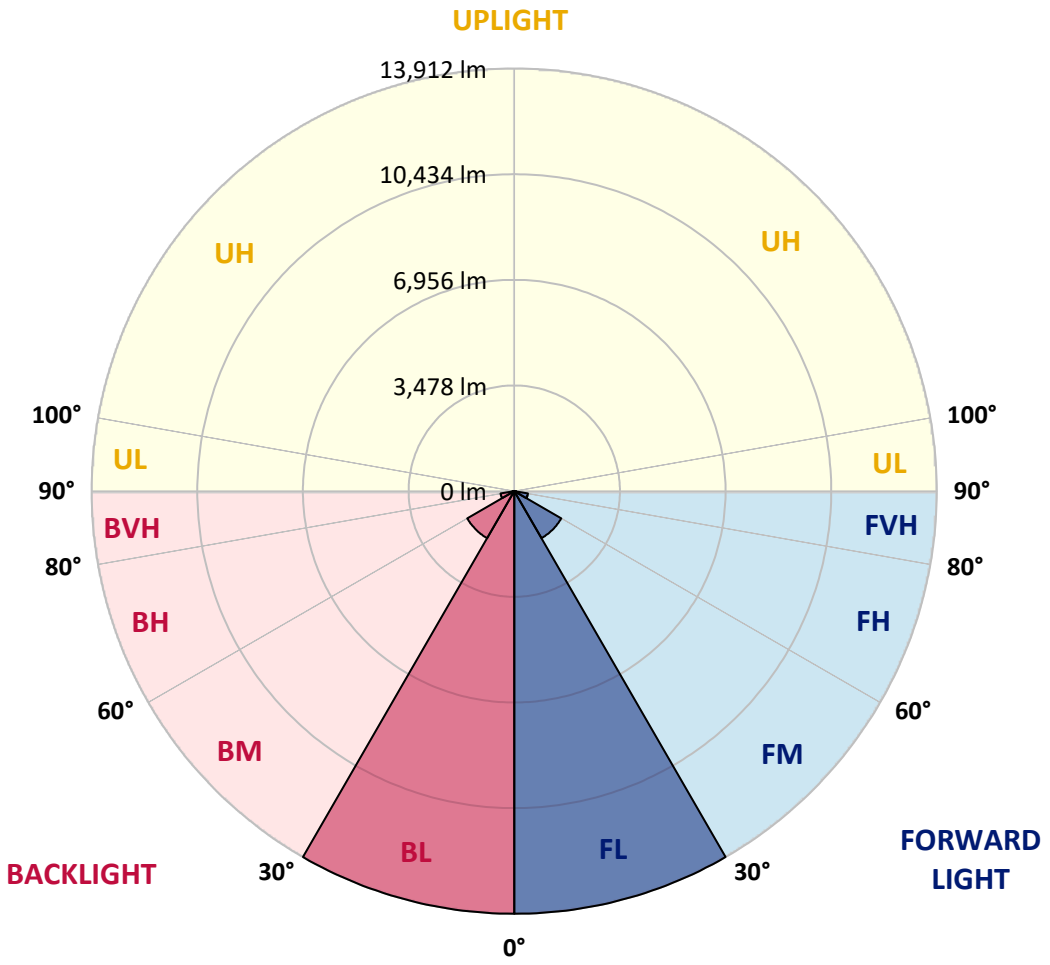
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	13911.8	42.9			
FM	(30°-60°)	1788.4	5.5			
FH	(60°-80°)	459.4	1.4			G0/660
FVH	(80°-90°)	57.9	0.2			G1/100
BL	(0°-30°)	13911.8	42.9	B5		
BM	(30°-60°)	1788.4	5.5	B2/2500		
BH	(60°-80°)	459.4	1.4	B1/500		G0/660
BVH	(80°-90°)	57.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	97216.4
1°	96710.4
2°	95409.8
3°	93253.2
4°	90155.5
5°	86159.2
6°	81264.3
7°	75792.5
8°	69852.4
9°	63874.5
10°	58156.7
11°	53011.2
12°	48504.2
13°	44801.1
14°	41850.0
15°	39527.9
17.5°	35228.9
20°	31227.9
22.5°	26541.1
25°	21097.6
27.5°	14892.7
30°	8091.9
32.5°	4653.7
35°	3107.2
37.5°	2118.7
40°	1508.7
42.5°	1168.1
45°	912.8
47.5°	747.2
50°	685.8
52.5°	652.6
55°	638.5
57.5°	662.1
60°	699.9
62.5°	685.8
65°	610.1
67.5°	525.0
70°	444.6
72.5°	368.9
75°	302.7
77.5°	245.9
80°	198.6
82.5°	160.8
85°	123.0
87.5°	42.6

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

(END OF REPORT)