

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: P524369

Luminaire Tested: **IFLD-L-SA8A-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524369
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22135.4 lumens
Efficiency: N/A
Efficacy: 89.3 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): 247.8
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

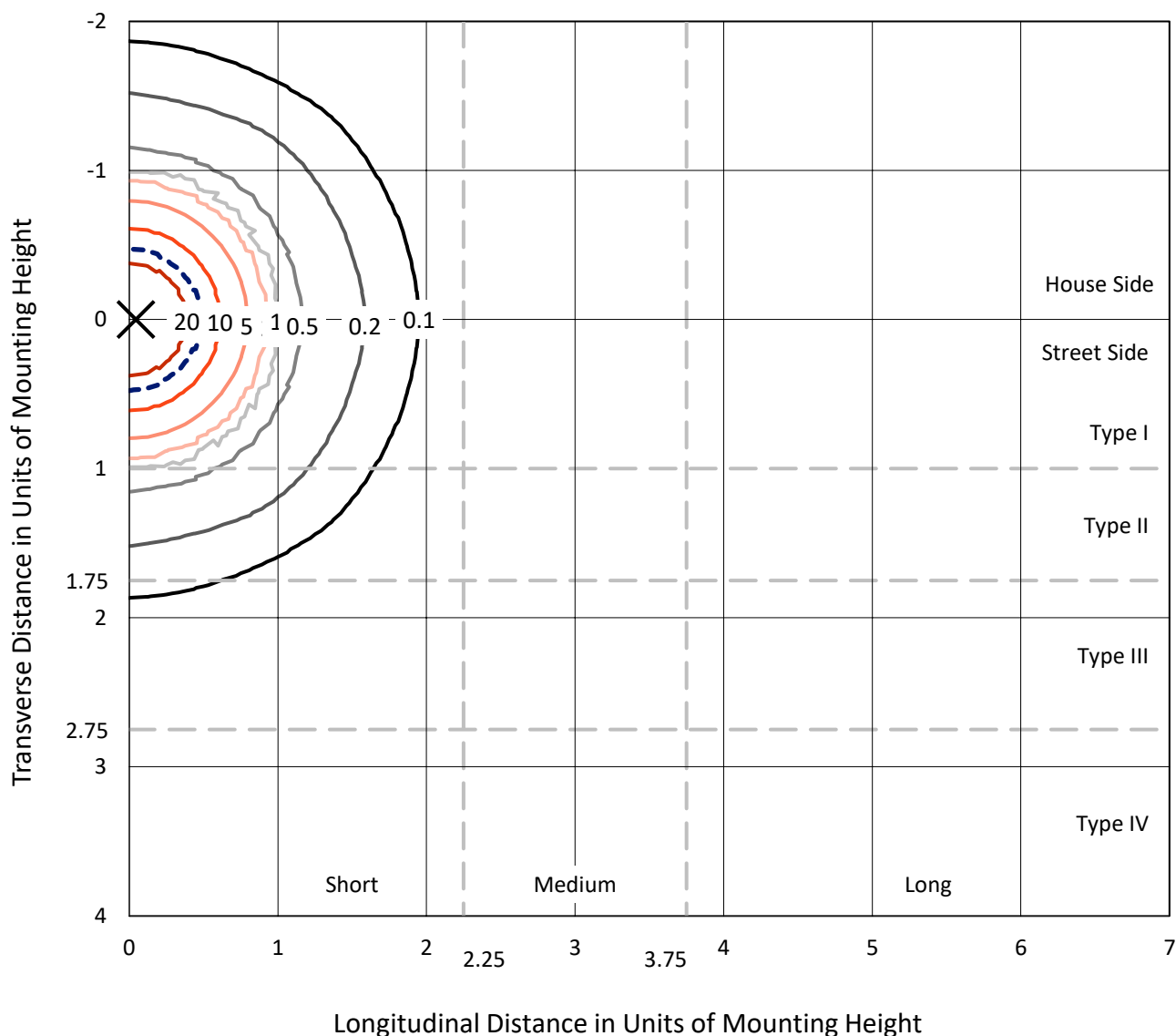
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

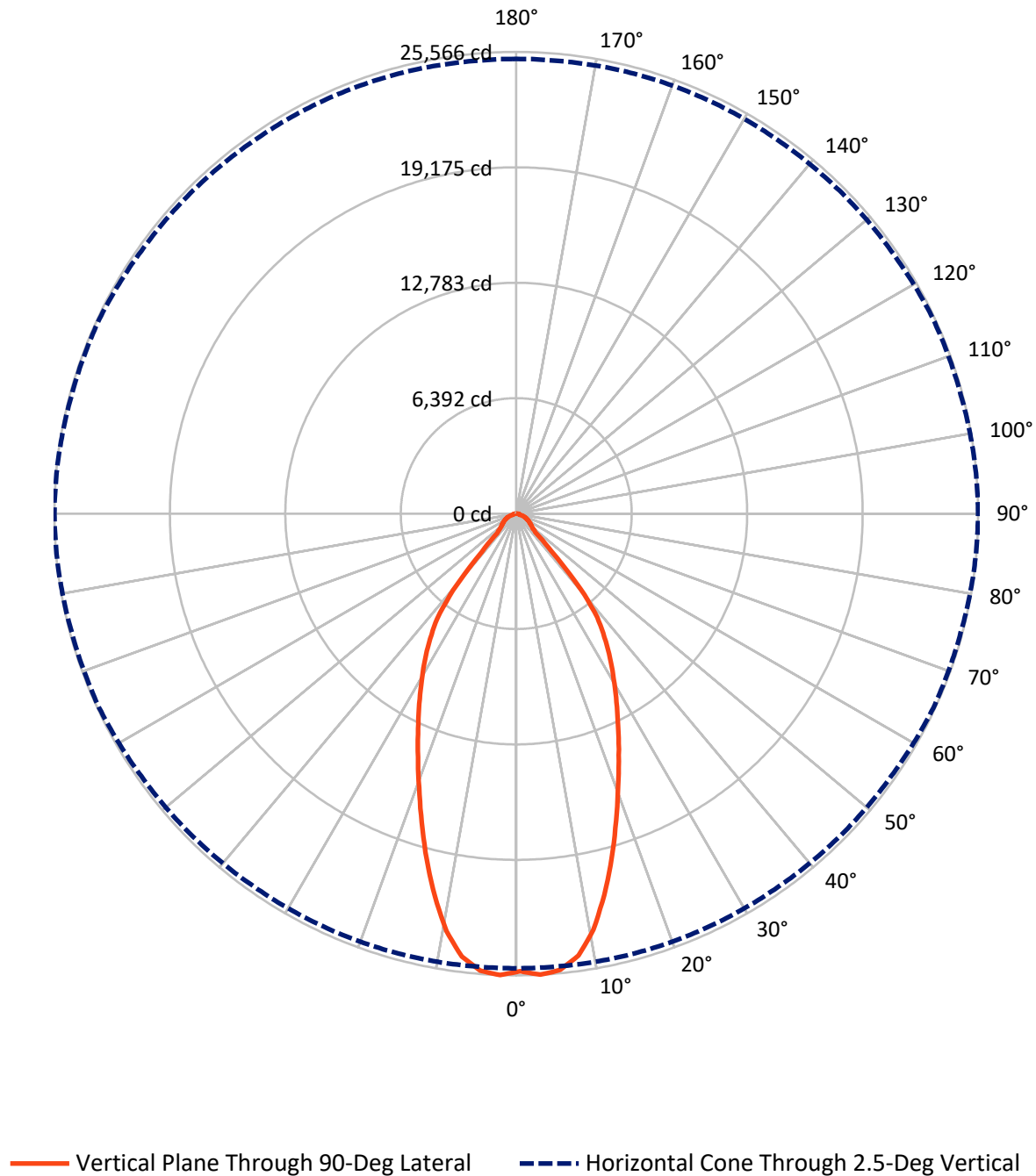


Based on 25 foot mounting height. Maximum calculated value = 40.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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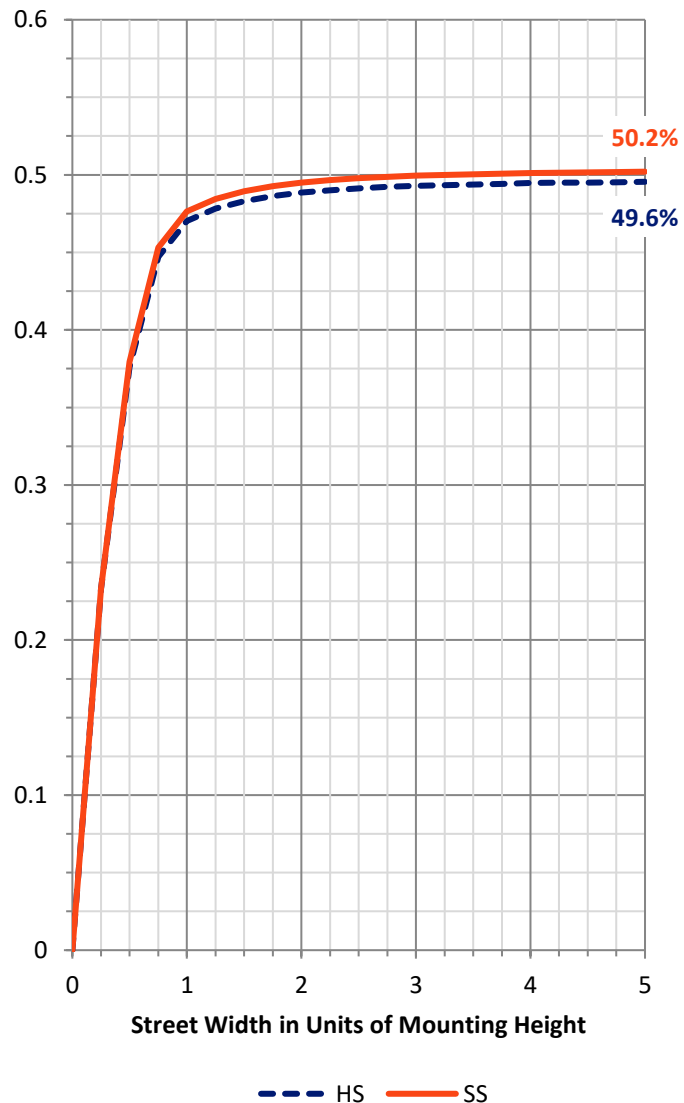
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11067.7	0.0	11067.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11067.7	0.0	11067.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22135.4	0.0	22135.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2335.8	10.6
10°-20°	5392.0	24.4
20°-30°	5920.0	26.7
30°-40°	5133.0	23.2
40°-50°	1689.0	7.6
50°-60°	757.3	3.4
60°-70°	535.3	2.4
70°-80°	290.6	1.3
80°-90°	82.4	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°	22135.4	100.0
0°-180°	22135.4	100.0

Coefficient of Utilization



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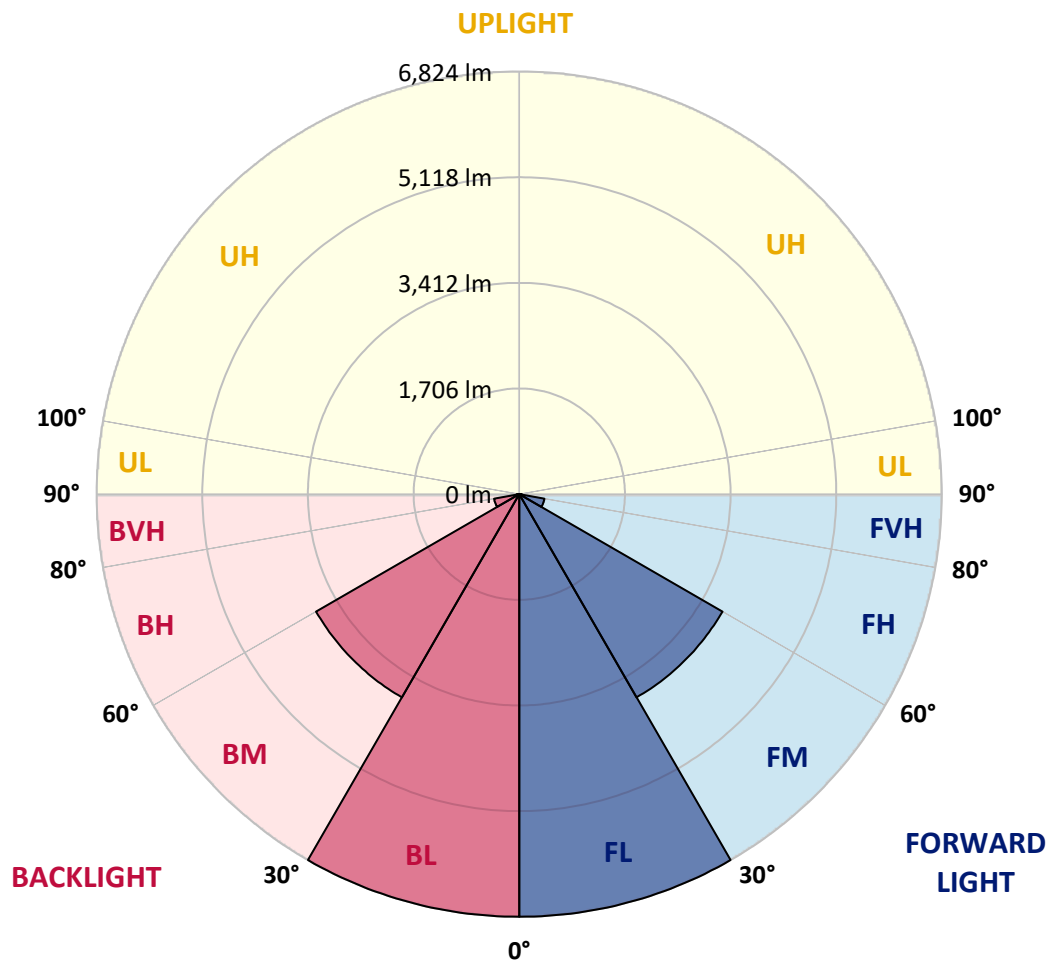
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6823.9	30.8			
FM	(30°-60°)	3789.6	17.1			
FH	(60°-80°)	412.9	1.9			G0/660
FVH	(80°-90°)	41.2	0.2			G1/100
BL	(0°-30°)	6823.9	30.8	B5		
BM	(30°-60°)	3789.6	17.1	B3/5000		
BH	(60°-80°)	412.9	1.9	B1/500		G0/660
BVH	(80°-90°)	41.2	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25338.0	25338.0	25338.0	25338.0	25338.0	25338.0	25338.0	25338.0	25338.0	25338.0
2.5°	25180.4	25177.1	25217.3	25237.4	25247.5	25294.4	25341.4	25465.5	25468.8	25542.6
5°	25146.9	25116.7	25143.5	25103.3	25113.3	25113.3	25173.7	25264.3	25297.8	25371.6
7.5°	24399.0	24392.3	24375.5	24331.9	24385.6	24348.7	24459.3	24539.8	24617.0	24653.9
10°	23003.8	22940.1	22940.1	22879.7	22933.4	22883.1	23064.2	23137.9	23268.7	23345.9
12.5°	21199.4	21172.6	21176.0	21149.1	21145.8	21075.4	21286.6	21350.4	21467.7	21581.8
15°	19274.4	19234.1	19271.0	19271.0	19240.8	19177.1	19401.8	19489.0	19660.0	19713.7
17.5°	17372.7	17356.0	17379.5	17389.5	17366.0	17305.7	17523.7	17714.8	17832.2	17832.2
20°	15628.8	15622.1	15652.2	15622.1	15598.6	15558.3	15759.6	15944.0	16048.0	16054.7
22.5°	14096.1	14133.0	14106.1	14069.2	14018.9	13988.7	14173.2	14344.3	14414.7	14485.1
25°	12751.2	12761.3	12781.4	12724.4	12664.0	12627.1	12764.6	12908.8	13019.5	13059.7
27.5°	11644.4	11681.3	11631.0	11543.8	11510.3	11466.7	11563.9	11667.9	11748.4	11805.4
30°	10567.9	10588.0	10598.0	10507.5	10427.0	10363.3	10443.8	10534.3	10564.5	10614.8
32.5°	9534.9	9568.4	9602.0	9491.3	9434.3	9373.9	9414.1	9471.2	9487.9	9491.3
35°	8505.3	8481.8	8451.6	8411.4	8367.8	8294.0	8334.2	8354.3	8367.8	8367.8
37.5°	7261.0	7281.1	7287.8	7210.7	7190.6	7140.3	7167.1	7170.4	7197.3	7214.0
40°	5493.5	5564.0	5517.0	5470.1	5476.8	5416.4	5406.3	5392.9	5453.3	5476.8
42.5°	2988.2	3109.0	2984.9	3025.1	2995.0	2961.4	2951.4	2968.1	2891.0	2827.3
45°	1502.5	1495.8	1522.6	1522.6	1549.5	1559.5	1536.0	1515.9	1505.9	1479.0
47.5°	1210.7	1190.6	1187.2	1204.0	1224.1	1237.6	1217.4	1207.4	1204.0	1220.8
50°	1039.7	1009.5	999.4	1022.9	1039.7	1053.1	1036.3	1036.3	1033.0	1059.8
52.5°	905.5	875.3	875.3	922.3	935.7	949.1	939.1	939.1	939.1	969.3
55°	801.6	778.1	751.3	811.6	855.2	868.6	861.9	858.6	861.9	895.5
57.5°	721.1	707.7	690.9	704.3	771.4	788.1	784.8	784.8	791.5	818.3
60°	643.9	637.2	630.5	630.5	684.2	714.4	711.0	711.0	717.7	734.5
62.5°	573.5	566.8	560.1	566.8	586.9	633.9	633.9	637.2	647.3	654.0
65°	503.1	499.7	499.7	503.1	509.8	546.7	560.1	570.1	580.2	583.6
67.5°	436.0	432.6	436.0	442.7	442.7	459.5	489.7	499.7	509.8	509.8
70°	352.2	368.9	379.0	382.3	389.0	392.4	419.2	439.3	449.4	436.0
72.5°	191.2	218.0	328.7	338.7	342.1	345.4	365.6	389.0	395.7	258.2
75°	137.5	137.5	275.0	291.8	295.1	295.1	311.9	335.4	342.1	197.9
77.5°	90.6	87.2	191.2	211.3	241.5	194.5	254.9	281.7	288.4	164.3
80°	70.4	67.1	147.6	164.3	167.7	134.2	207.9	228.1	231.4	134.2
82.5°	53.7	50.3	107.3	120.7	130.8	87.2	147.6	174.4	181.1	117.4
85°	30.2	30.2	53.7	50.3	77.1	57.0	83.8	87.2	117.4	73.8
87.5°	10.1	13.4	23.5	23.5	26.8	23.5	33.5	33.5	36.9	26.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25338.0
25566.1
25385.0
24714.2
23429.7
21658.9
19787.5
17875.8
16091.6
14525.4
13086.6
11822.2
10624.9
9531.5
8408.0
7284.5
5507.0
2857.4
1502.5
1234.2
1093.3
1002.8
915.6
838.5
747.9
664.1
590.3
509.8
385.7
221.4
194.5
161.0
120.7
120.7
70.4
20.1
0.0