

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: P524355

Luminaire Tested: **IFLD-S-SA6B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524355
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21927 lumens
Efficiency: N/A
Efficacy: 89.5 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): 244.9
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

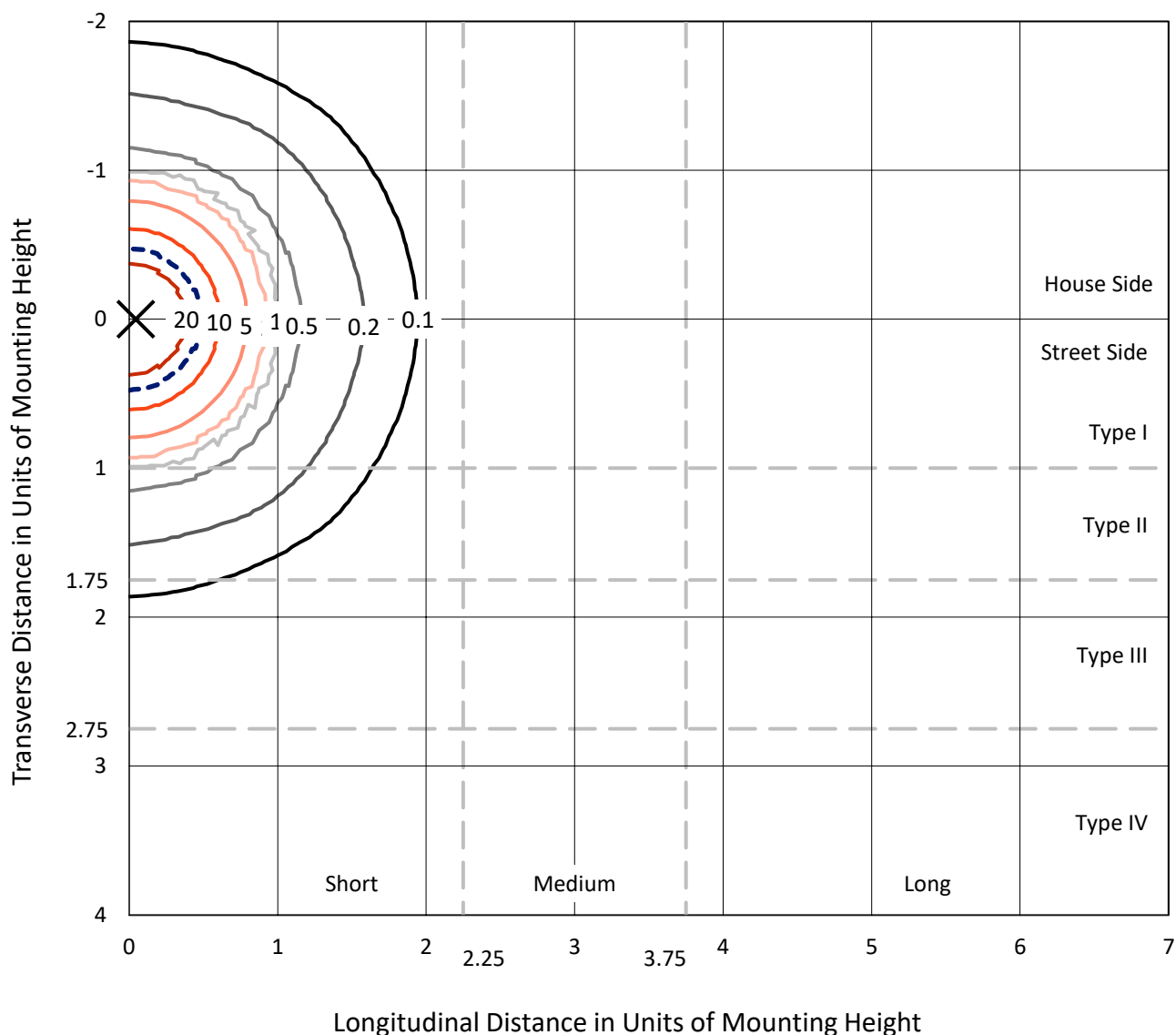
REPORT NUMBER: P524355

CATALOG NUMBER: IFLD-S-SA6B-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

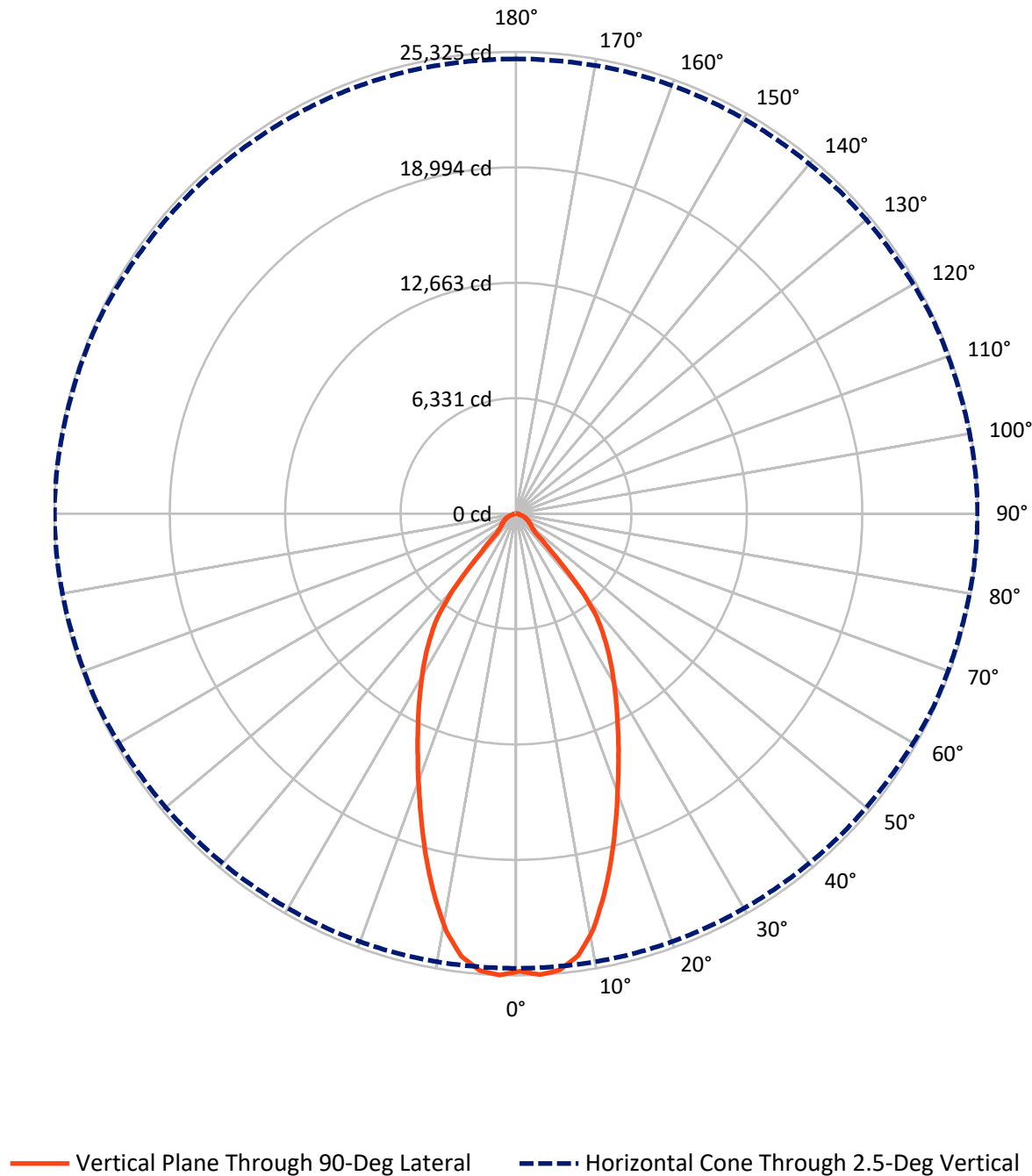


Based on 25 foot mounting height. Maximum calculated value = 40.2 fc

Type V - Short - N/A

REPORT NUMBER: P524355
CATALOG NUMBER: IFLD-S-SA6B-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524355

CATALOG NUMBER: IFLD-S-SA6B-935-U-55

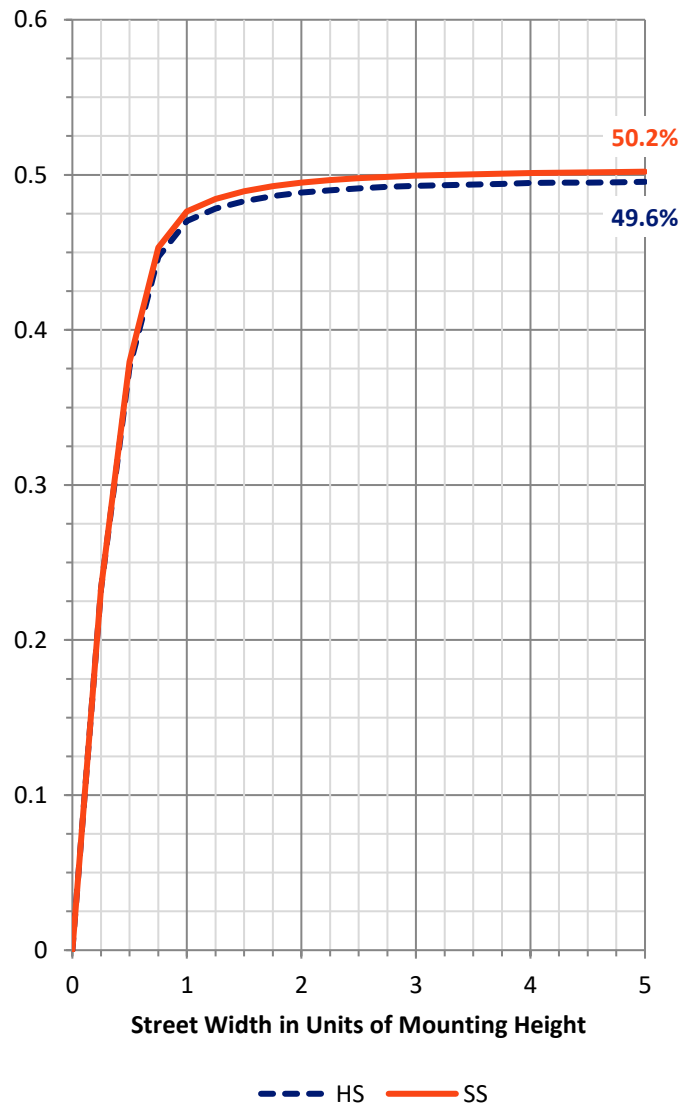
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10963.5	0.0	10963.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10963.5	0.0	10963.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21927.0	0.0	21927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2313.8	10.6
10°-20°	5341.2	24.4
20°-30°	5864.2	26.7
30°-40°	5084.7	23.2
40°-50°	1673.1	7.6
50°-60°	750.1	3.4
60°-70°	530.2	2.4
70°-80°	287.9	1.3
80°-90°	81.7	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°	21927.0	100.0
0°-180°	21927.0	100.0

Coefficient of Utilization



REPORT NUMBER: P524355

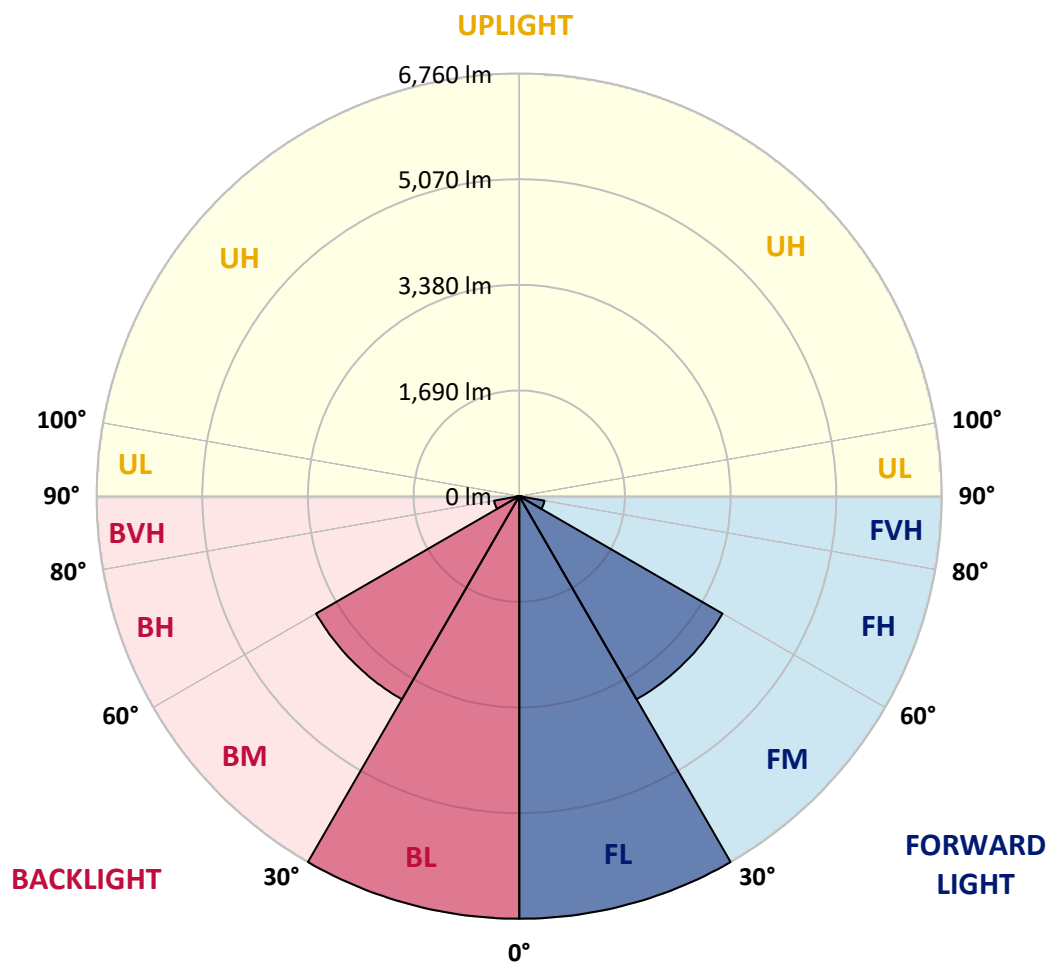
CATALOG NUMBER: IFLD-S-SA6B-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6759.6	30.8			
FM	(30°-60°)	3754.0	17.1			
FH	(60°-80°)	409.1	1.9			G0/660
FVH	(80°-90°)	40.8	0.2			G1/100
BL	(0°-30°)	6759.6	30.8	B5		
BM	(30°-60°)	3754.0	17.1	B3/5000		
BH	(60°-80°)	409.1	1.9	B1/500		G0/660
BVH	(80°-90°)	40.8	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°	25099.5	25099.5	25099.5	25099.5	25099.5	25099.5	25099.5	25099.5	25099.5	25099.5
2.5°	24943.4	24940.0	24979.9	24999.8	25009.8	25056.3	25102.8	25225.7	25229.1	25302.2
5°	24910.1	24880.2	24906.8	24866.9	24876.9	24876.9	24936.7	25026.4	25059.6	25132.7
7.5°	24169.3	24162.6	24146.0	24102.8	24156.0	24119.4	24229.1	24308.8	24385.2	24421.8
10°	22787.2	22724.1	22724.1	22664.3	22717.5	22667.6	22847.0	22920.1	23049.7	23126.1
12.5°	20999.9	20973.3	20976.6	20950.0	20946.7	20876.9	21086.2	21149.4	21265.6	21378.6
15°	19092.9	19053.0	19089.6	19089.6	19059.7	18996.6	19219.1	19305.5	19475.0	19528.1
17.5°	17209.2	17192.6	17215.8	17225.8	17202.5	17142.7	17358.7	17548.1	17664.3	17664.3
20°	15481.6	15475.0	15504.9	15475.0	15451.7	15411.9	15611.2	15793.9	15896.9	15903.5
22.5°	13963.4	13999.9	13973.3	13936.8	13886.9	13857.0	14039.8	14209.2	14279.0	14348.7
25°	12631.1	12641.1	12661.0	12604.6	12544.8	12508.2	12644.4	12787.3	12896.9	12936.8
27.5°	11534.8	11571.4	11521.5	11435.1	11401.9	11358.7	11455.1	11558.1	11637.8	11694.3
30°	10468.4	10488.3	10498.3	10408.6	10328.8	10265.7	10345.4	10435.1	10465.0	10514.9
32.5°	9445.1	9478.3	9511.6	9401.9	9345.5	9285.7	9325.5	9382.0	9398.6	9401.9
35°	8425.2	8401.9	8372.0	8332.2	8289.0	8215.9	8255.8	8275.7	8289.0	8289.0
37.5°	7192.6	7212.6	7219.2	7142.8	7122.9	7073.0	7099.6	7102.9	7129.5	7146.1
40°	5441.8	5511.6	5465.1	5418.6	5425.2	5365.4	5355.4	5342.2	5402.0	5425.2
42.5°	2960.1	3079.7	2956.8	2996.7	2966.8	2933.5	2923.6	2940.2	2863.8	2800.6
45°	1488.4	1481.7	1508.3	1508.3	1534.9	1544.8	1521.6	1501.7	1491.7	1465.1
47.5°	1199.3	1179.4	1176.1	1192.7	1212.6	1225.9	1206.0	1196.0	1192.7	1209.3
50°	1029.9	1000.0	990.0	1013.3	1029.9	1043.2	1026.6	1026.6	1023.2	1049.8
52.5°	897.0	867.1	867.1	913.6	926.9	940.2	930.2	930.2	930.2	960.1
55°	794.0	770.8	744.2	804.0	847.2	860.5	853.8	850.5	853.8	887.0
57.5°	714.3	701.0	684.4	697.7	764.1	780.7	777.4	777.4	784.0	810.6
60°	637.9	631.2	624.6	624.6	677.7	707.6	704.3	704.3	711.0	727.6
62.5°	568.1	561.5	554.8	561.5	581.4	627.9	627.9	631.2	641.2	647.8
65°	498.3	495.0	495.0	498.3	505.0	541.5	554.8	564.8	574.7	578.1
67.5°	431.9	428.6	431.9	438.5	438.5	455.1	485.0	495.0	505.0	505.0
70°	348.8	365.4	375.4	378.7	385.4	388.7	415.3	435.2	445.2	431.9
72.5°	189.4	215.9	325.6	335.5	338.9	342.2	362.1	385.4	392.0	255.8
75°	136.2	136.2	272.4	289.0	292.4	292.4	309.0	332.2	338.9	196.0
77.5°	89.7	86.4	189.4	209.3	239.2	192.7	252.5	279.1	285.7	162.8
80°	69.8	66.4	146.2	162.8	166.1	132.9	206.0	225.9	229.2	132.9
82.5°	53.2	49.8	106.3	119.6	129.6	86.4	146.2	172.8	179.4	116.3
85°	29.9	29.9	53.2	49.8	76.4	56.5	83.1	86.4	116.3	73.1
87.5°	10.0	13.3	23.3	23.3	26.6	23.3	33.2	33.2	36.5	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25099.5
25325.4
25146.0
24481.6
23209.1
21455.0
19601.2
17707.5
15940.1
14388.6
12963.4
11710.9
10524.8
9441.8
8328.8
7215.9
5455.1
2830.5
1488.4
1222.6
1083.0
993.3
907.0
830.6
740.9
657.8
584.7
505.0
382.1
219.3
192.7
159.5
119.6
119.6
69.8
19.9
0.0