

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: P636354

Luminaire Tested: **IFLD-L-SA7D-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636354
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30280.7 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

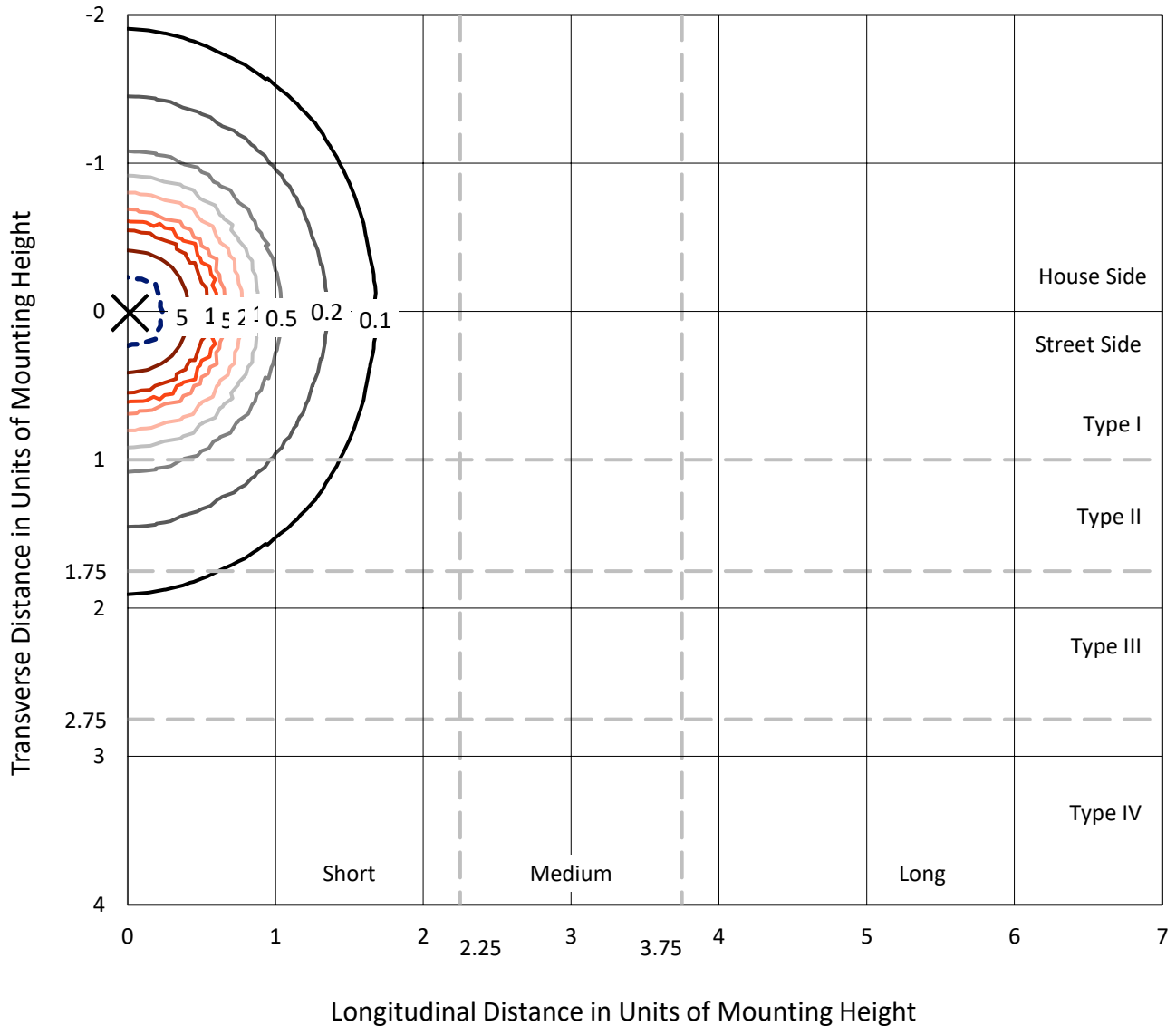
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636354
 CATALOG NUMBER: IFLD-L-SA7D-935-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

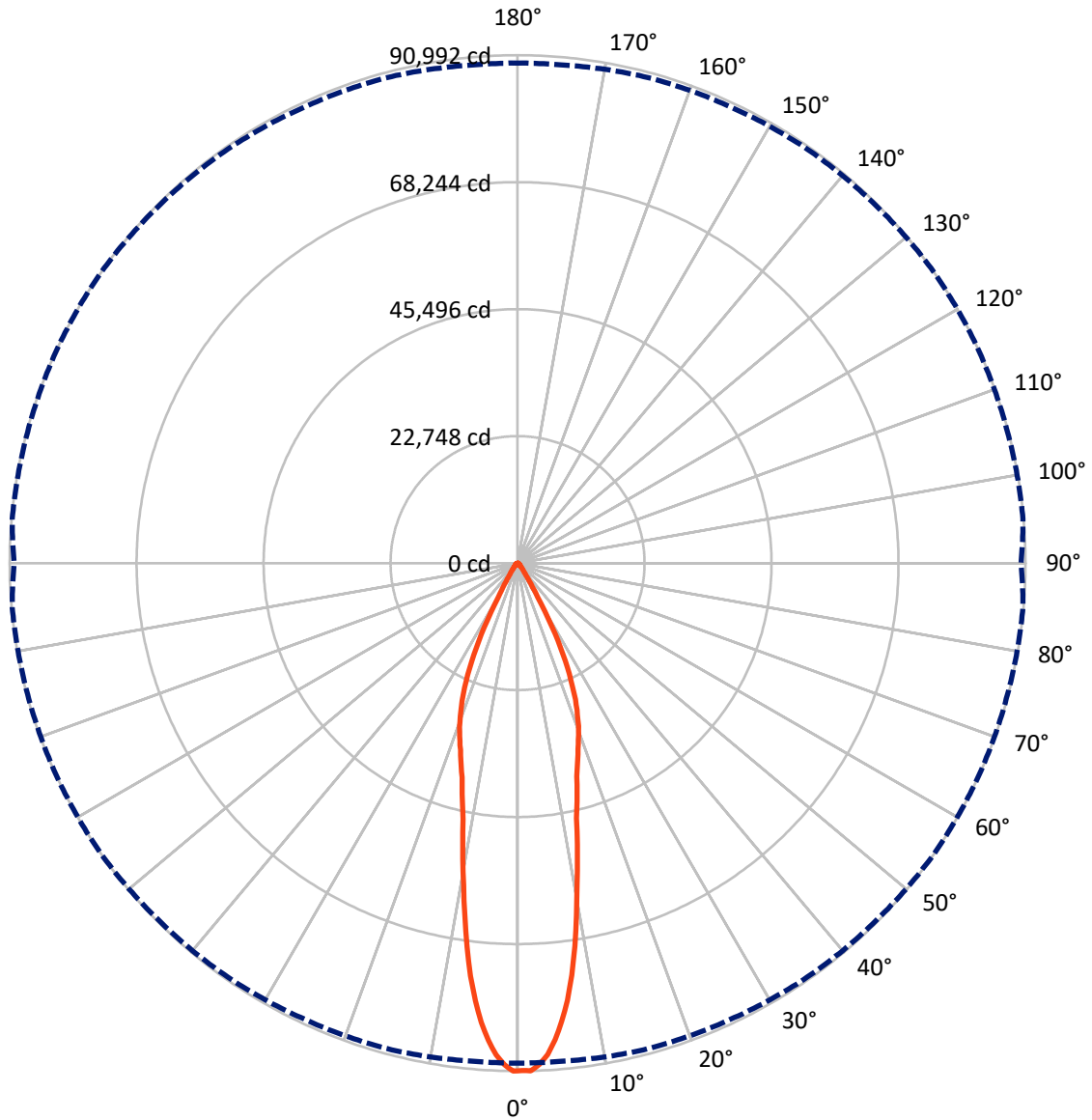
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 227.2 fc
 Type V - Short - N/A

REPORT NUMBER: P636354
CATALOG NUMBER: IFLD-L-SA7D-935-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636354
 CATALOG NUMBER: IFLD-L-SA7D-935-U-44-VI

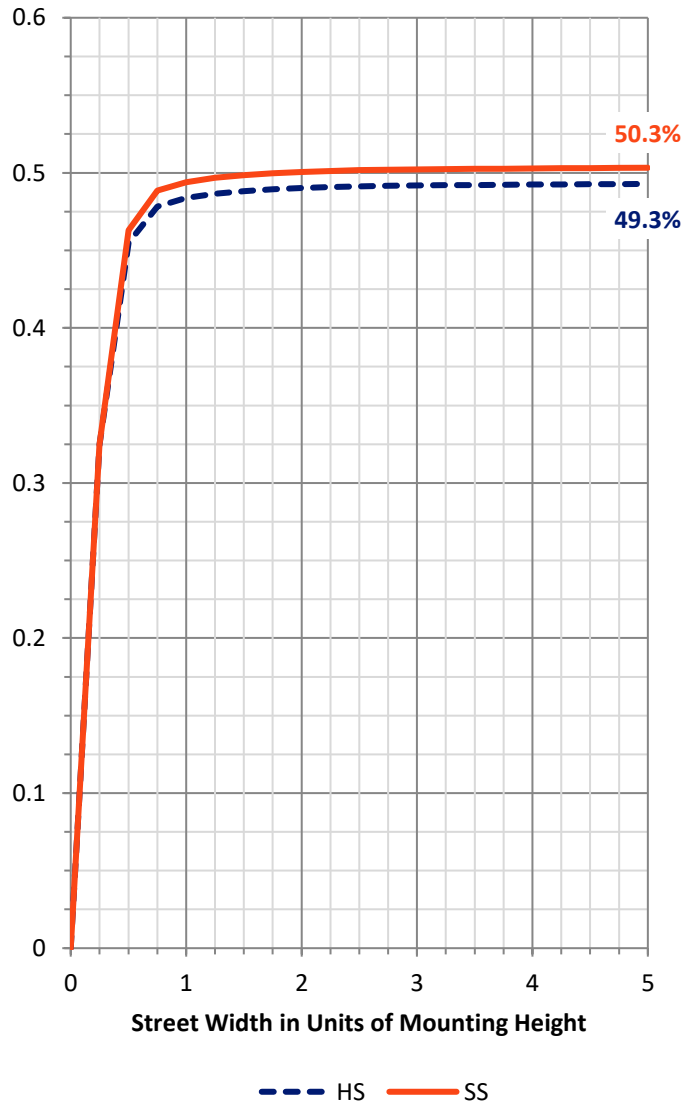
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15140.4	0.0	15140.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15140.4	0.0	15140.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	30280.7	0.0	30280.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6915.3	22.8
10°-20°	11294.5	37.3
20°-30°	8825.9	29.1
30°-40°	1923.8	6.4
40°-50°	569.6	1.9
50°-60°	356.2	1.2
60°-70°	249.1	0.8
70°-80°	106.9	0.4
80°-90°	39.5	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°	30280.7	100.0
0°-180°	30280.7	100.0



REPORT NUMBER: P636354

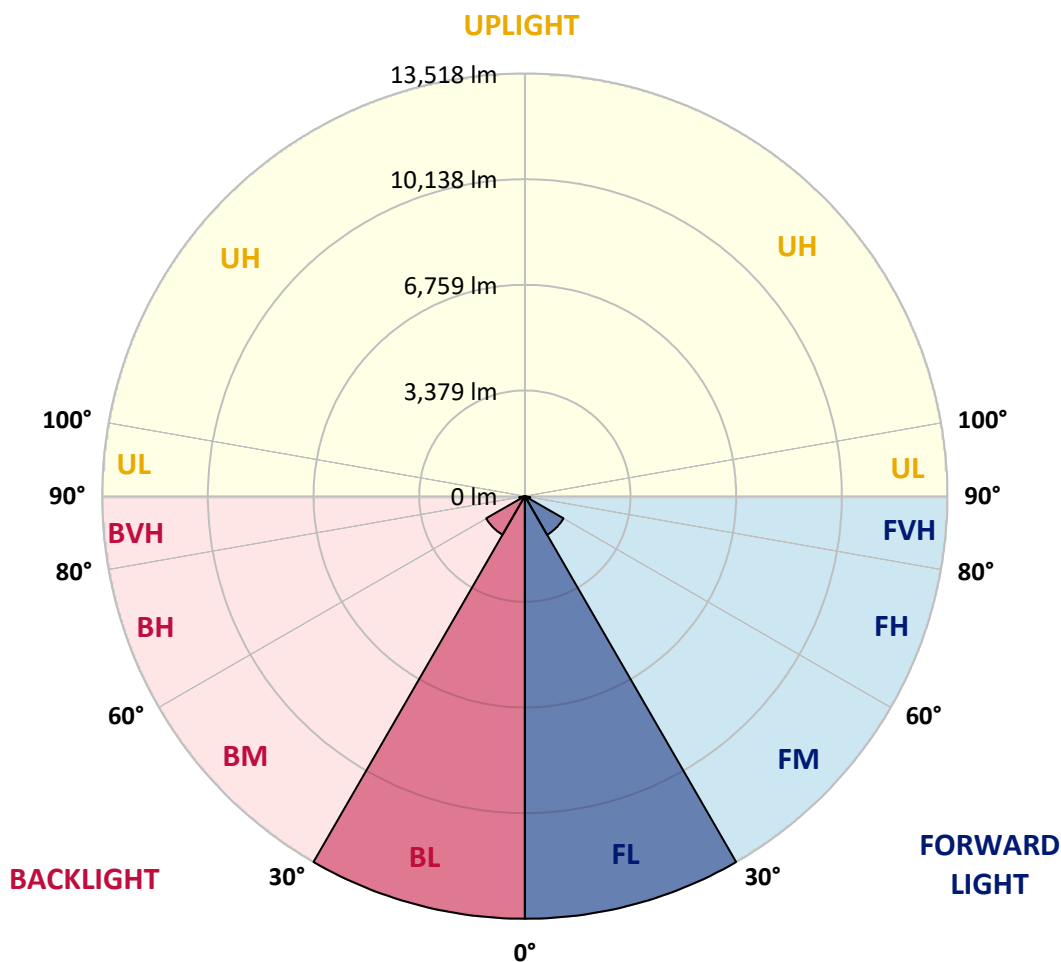
CATALOG NUMBER: IFLD-L-SA7D-935-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13517.8	44.6			
FM (30°-60°)	1424.8	4.7			
FH (60°-80°)	178.0	0.6			G0/660
FVH (80°-90°)	19.7	0.1			G1/100
BL (0°-30°)	13517.8	44.6	B5		
BM (30°-60°)	1424.8	4.7	B2/2500		
BH (60°-80°)	178.0	0.6	B1/500		G0/660
BVH (80°-90°)	19.7	0.1			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





REPORT NUMBER: P636354
 CATALOG NUMBER: IFLD-L-SA7D-935-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	90887.9	90887.9	90887.9	90887.9	90887.9	90887.9	90887.9	90887.9	90887.9	90887.9
1°	89572.3	89583.2	90071.1	90180.8	90515.2	90685.1	90992.1	90959.2	90866.0	90876.9
2°	87922.3	87851.0	88306.0	88810.3	89210.5	89539.4	89906.7	89983.4	89895.7	89977.9
3°	85208.8	85104.6	85740.5	86370.9	87067.1	87631.7	88185.4	88207.3	88103.2	88097.7
4°	81640.2	81448.3	82204.8	83328.5	84205.6	84956.6	85647.3	85636.4	85493.8	85609.0
5°	77326.0	77084.8	78066.0	79546.1	80845.3	81749.8	82511.8	82330.9	82001.9	82018.4
6°	72030.6	72266.3	73466.8	75544.4	77079.3	77830.3	78767.7	78427.8	77857.7	77797.4
7°	67053.1	67584.9	68544.2	71049.4	72874.8	73664.2	74459.0	73773.8	73000.9	72874.8
8°	61812.6	62700.6	64027.2	66335.0	68281.1	69075.9	69377.4	68642.8	67815.1	67782.2
9°	57564.2	58172.6	59312.9	61346.6	63325.5	63857.3	63923.0	63281.7	62453.9	62508.7
10°	53699.5	53814.6	54801.4	56550.0	58134.3	58512.5	58496.1	58030.1	57350.4	57531.3
12.5°	45049.3	45361.7	45646.8	46205.9	46737.7	46984.3	46891.1	46699.3	46326.5	46343.0
15°	39178.3	39172.8	39205.7	39463.3	39622.3	39649.7	39649.7	39408.5	39249.5	39485.3
17.5°	33998.0	34283.1	34792.9	35001.2	35209.5	35132.7	34990.2	34880.6	34776.4	34979.2
20°	29968.9	30095.0	30100.5	30237.5	31290.0	31344.8	31163.9	30851.5	30588.3	30539.0
22.5°	25435.5	25627.3	25709.5	25830.1	25939.8	26740.1	26526.3	26022.0	25709.5	25616.4
25°	19093.0	19027.3	19564.5	20551.2	20710.2	20808.8	20754.0	20490.9	20288.1	20326.4
27.5°	13194.6	13309.8	13287.8	13298.8	14345.8	14340.3	14323.9	14093.7	14033.4	13945.6
30°	7378.5	7323.7	7351.1	7279.8	7131.8	7312.7	7022.2	7268.8	7027.6	7104.4
32.5°	4363.5	4325.1	4286.8	4303.2	4193.6	3925.0	3809.8	3979.8	3925.0	3903.0
35°	2784.7	2801.2	2850.5	2845.0	2746.4	2592.9	2428.4	2581.9	2560.0	2494.2
37.5°	1776.1	1776.1	1792.5	1935.1	1852.8	1721.3	1606.2	1671.9	1666.5	1655.5
40°	1260.8	1260.8	1282.7	1321.1	1277.3	1211.5	1145.7	1145.7	1156.7	1123.8
42.5°	937.4	937.4	959.3	981.2	926.4	904.5	871.6	849.7	877.1	849.7
45°	734.6	729.1	734.6	723.6	690.7	690.7	663.3	630.4	663.3	646.9
47.5°	603.0	597.5	592.0	570.1	537.2	542.7	531.7	504.3	520.8	515.3
50°	526.3	515.3	520.8	498.8	471.4	466.0	466.0	438.5	444.0	444.0
52.5°	460.5	460.5	455.0	444.0	433.1	411.1	416.6	389.2	389.2	389.2
55°	433.1	433.1	422.1	400.2	405.7	389.2	372.8	356.3	350.8	350.8
57.5°	427.6	427.6	422.1	400.2	383.7	378.2	356.3	334.4	317.9	323.4
60°	416.6	416.6	405.7	400.2	372.8	361.8	328.9	312.5	290.5	290.5
62.5°	400.2	394.7	372.8	339.9	339.9	312.5	290.5	257.6	241.2	235.7
65°	339.9	334.4	317.9	290.5	274.1	257.6	224.8	191.9	180.9	164.5
67.5°	279.6	279.6	268.6	241.2	230.2	208.3	169.9	148.0	120.6	109.6
70°	230.2	230.2	219.3	202.8	191.9	164.5	131.6	109.6	82.2	71.3
72.5°	186.4	186.4	175.4	164.5	153.5	137.0	109.6	82.2	54.8	43.9
75°	148.0	148.0	142.5	131.6	120.6	109.6	87.7	65.8	38.4	21.9
77.5°	120.6	120.6	115.1	109.6	98.7	87.7	71.3	54.8	27.4	11.0
80°	93.2	93.2	93.2	93.2	82.2	71.3	60.3	43.9	21.9	5.5
82.5°	65.8	65.8	71.3	82.2	65.8	54.8	54.8	43.9	16.4	5.5
85°	43.9	49.3	54.8	49.3	43.9	43.9	76.7	71.3	16.4	5.5
87.5°	21.9	21.9	21.9	21.9	21.9	16.4	21.9	16.4	11.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
90887.9
90202.7
89331.1
87620.8
85066.3
81218.1
76997.1
72277.3
66581.7
61692.0
56895.4
45800.3
38937.1
34513.3
30221.1
25282.0
20194.9
13627.7
7197.6
3848.2
2422.9
1633.6
1112.8
844.2
646.9
515.3
449.5
389.2
345.4
323.4
274.1
224.8
159.0
104.2
65.8
38.4
16.4
11.0
5.5
5.5
5.5
0.0
0.0

OF REPORT)