

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: P636335

Luminaire Tested: **IFLD-S-SA2E-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636335
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11235.6 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

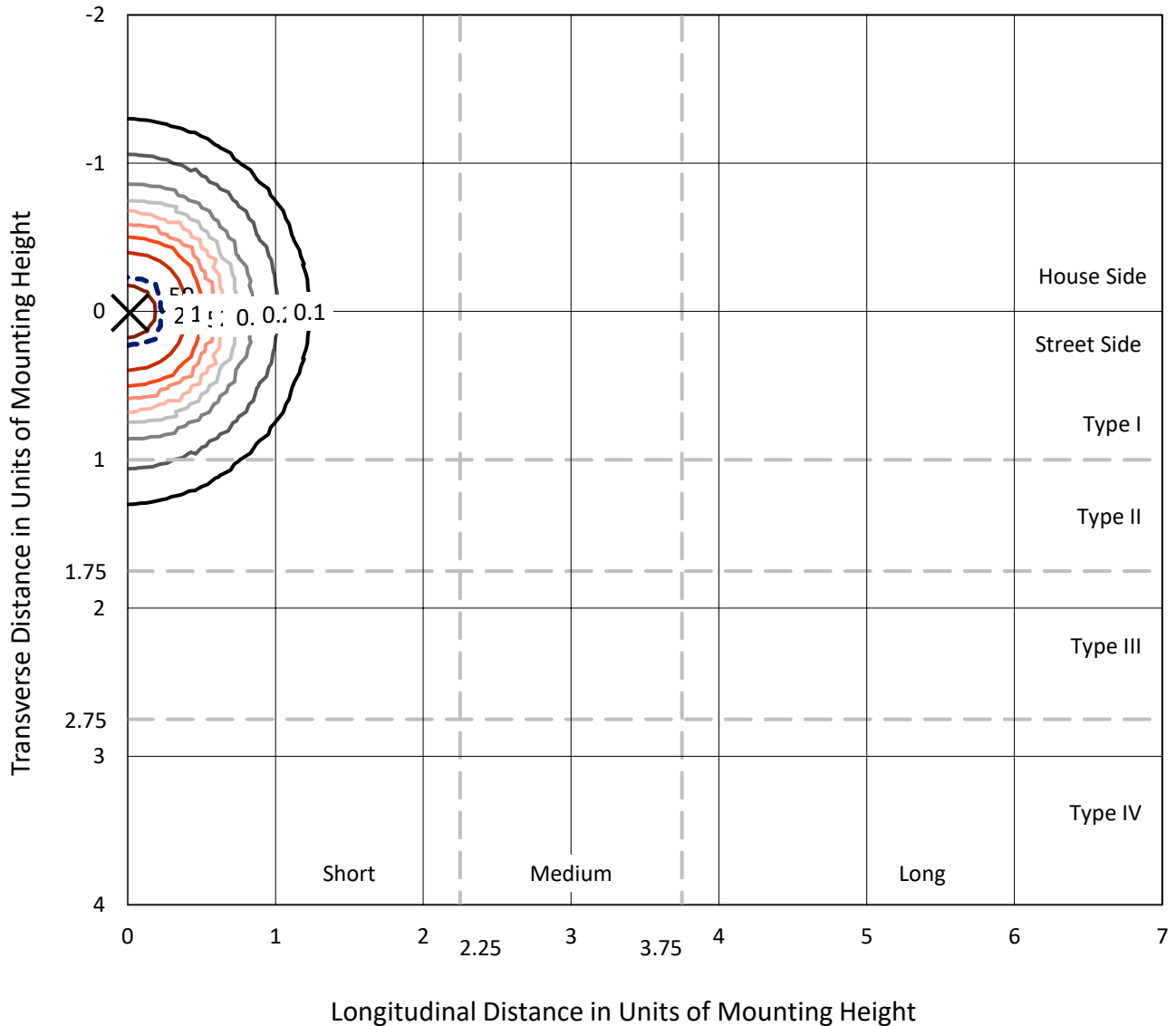
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636335
 CATALOG NUMBER: IFLD-S-SA2E-935-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

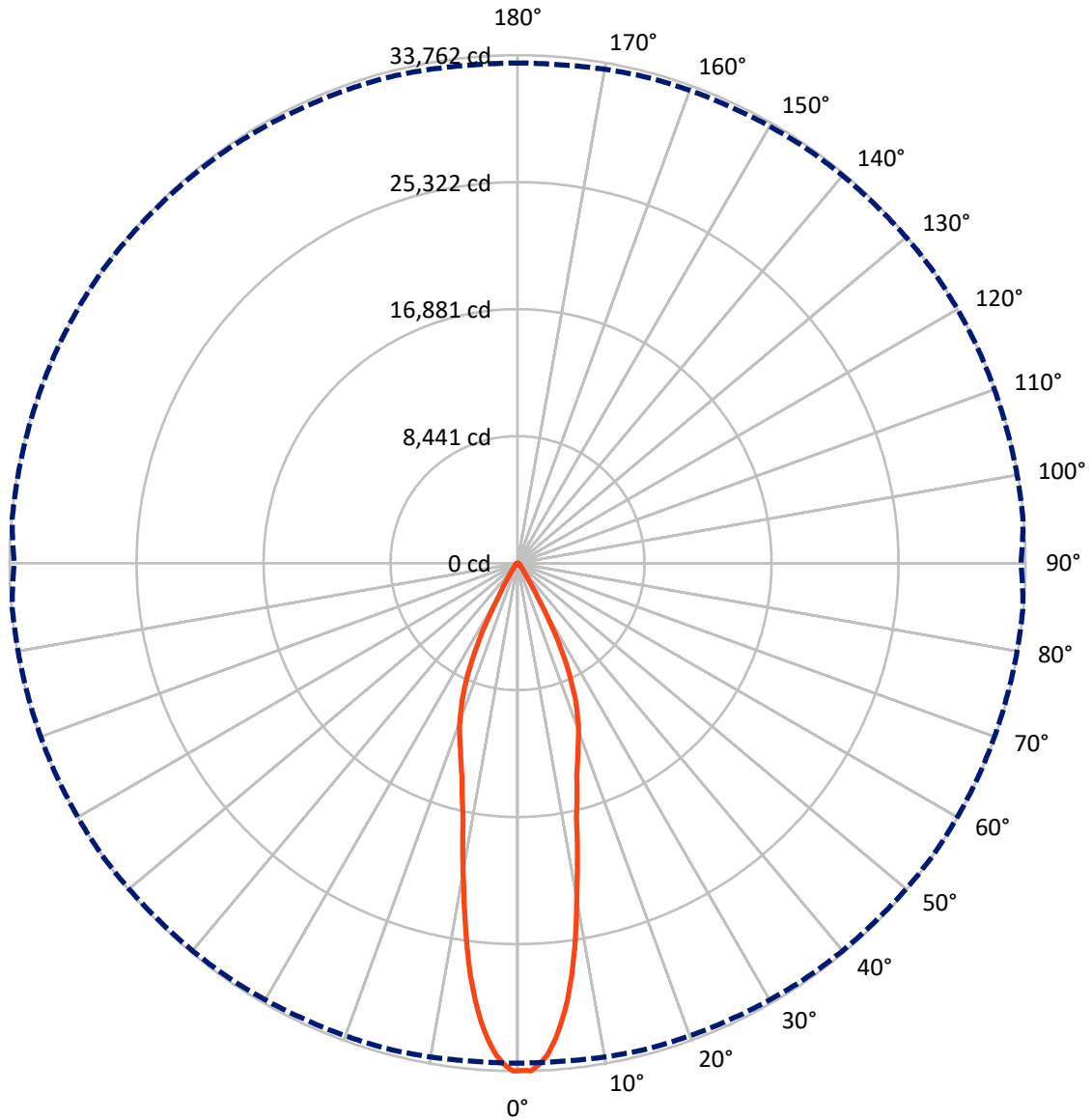
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 84.3 fc
 Type V - Short - N/A

REPORT NUMBER: P636335
CATALOG NUMBER: IFLD-S-SA2E-935-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636335
 CATALOG NUMBER: IFLD-S-SA2E-935-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5617.8	0.0	5617.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5617.8	0.0	5617.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11235.6	0.0	11235.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2565.9	22.8
10°-20°	4190.8	37.3
20°-30°	3274.8	29.1
30°-40°	713.8	6.4
40°-50°	211.3	1.9
50°-60°	132.2	1.2
60°-70°	92.4	0.8
70°-80°	39.7	0.4
80°-90°	14.6	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°	11235.6	100.0
0°-180°	11235.6	100.0



REPORT NUMBER: P636335

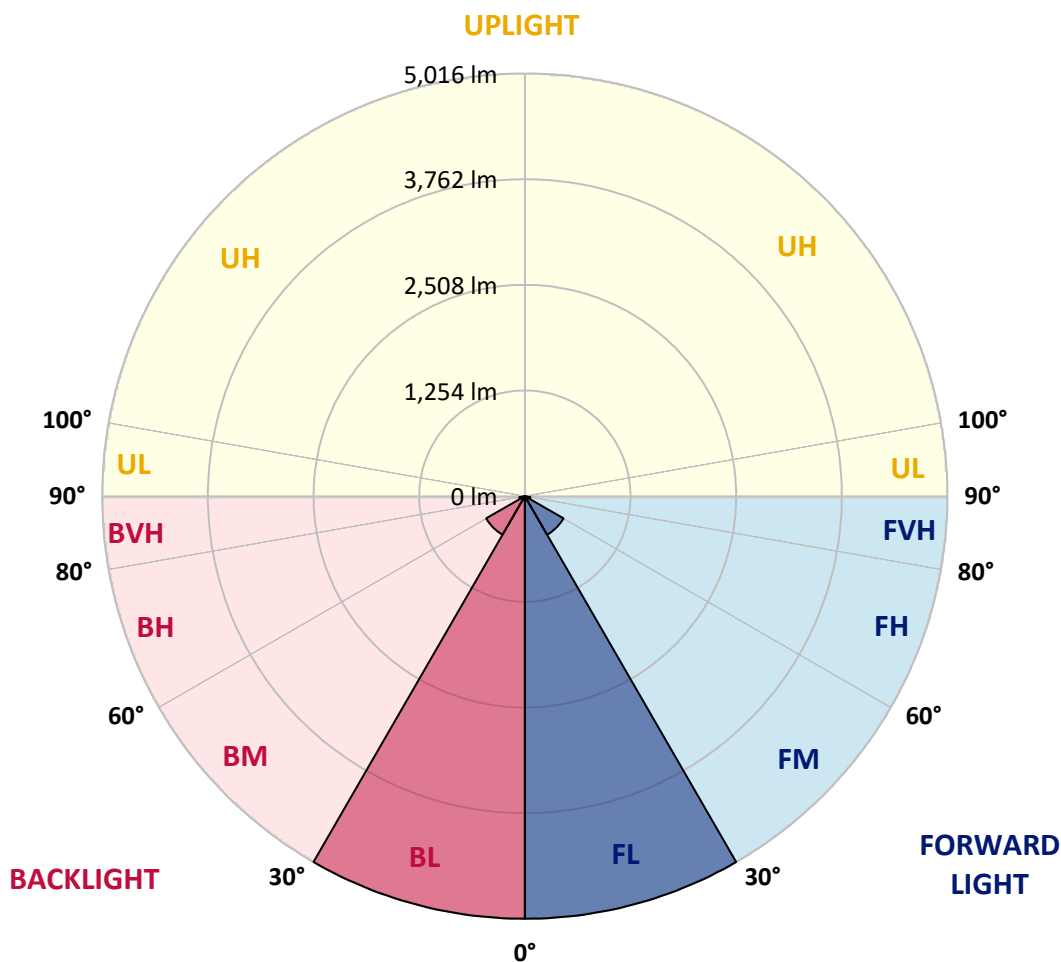
CATALOG NUMBER: IFLD-S-SA2E-935-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5015.7	44.6			
FM (30°-60°)	528.7	4.7			
FH (60°-80°)	66.1	0.6			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	5015.7	44.6	B5		
BM (30°-60°)	528.7	4.7	B1/1000		
BH (60°-80°)	66.1	0.6	B0/110		G0/660
BVH (80°-90°)	7.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





REPORT NUMBER: P636335
 CATALOG NUMBER: IFLD-S-SA2E-935-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	33723.8	33723.8	33723.8	33723.8	33723.8	33723.8	33723.8	33723.8	33723.8	33723.8
1°	33235.6	33239.7	33420.7	33461.4	33585.4	33648.5	33762.4	33750.2	33715.6	33719.7
2°	32623.4	32596.9	32765.7	32952.9	33101.4	33223.4	33359.7	33388.1	33355.6	33386.1
3°	31616.5	31577.9	31813.8	32047.7	32306.1	32515.6	32721.0	32729.1	32690.5	32688.5
4°	30292.4	30221.2	30501.9	30918.9	31244.3	31523.0	31779.3	31775.2	31722.3	31765.0
5°	28691.6	28602.1	28966.2	29515.4	29997.5	30333.1	30615.8	30548.7	30426.6	30432.7
6°	26726.8	26814.3	27259.7	28030.6	28600.1	28878.8	29226.6	29100.5	28888.9	28866.6
7°	24879.9	25077.2	25433.2	26362.7	27040.0	27332.9	27627.9	27373.6	27086.8	27040.0
8°	22935.4	23264.9	23757.1	24613.5	25335.5	25630.5	25742.3	25469.8	25162.6	25150.4
9°	21359.1	21584.8	22007.9	22762.5	23496.8	23694.1	23718.5	23480.5	23173.4	23193.7
10°	19925.1	19967.8	20333.9	20982.8	21570.6	21710.9	21704.8	21531.9	21279.7	21346.9
12.5°	16715.4	16831.4	16937.1	17144.6	17341.9	17433.4	17398.9	17327.7	17189.4	17195.5
15°	14537.0	14535.0	14547.2	14642.8	14701.8	14711.9	14711.9	14622.4	14563.5	14650.9
17.5°	12614.9	12720.7	12909.8	12987.1	13064.4	13035.9	12983.0	12942.4	12903.7	12979.0
20°	11119.9	11166.7	11168.7	11219.6	11610.1	11630.4	11563.3	11447.4	11349.7	11331.4
22.5°	9437.8	9509.0	9539.5	9584.2	9624.9	9921.9	9842.5	9655.4	9539.5	9504.9
25°	7084.4	7060.0	7259.4	7625.5	7684.5	7721.1	7700.7	7603.1	7527.8	7542.1
27.5°	4895.8	4938.6	4930.4	4934.5	5323.0	5321.0	5314.8	5229.4	5207.0	5174.5
30°	2737.8	2717.4	2727.6	2701.2	2646.2	2713.4	2605.6	2697.1	2607.6	2636.1
32.5°	1619.1	1604.8	1590.6	1596.7	1556.0	1456.3	1413.6	1476.7	1456.3	1448.2
35°	1033.3	1039.4	1057.7	1055.6	1019.0	962.1	901.1	958.0	949.9	925.5
37.5°	659.0	659.0	665.1	718.0	687.5	638.7	596.0	620.4	618.3	614.3
40°	467.8	467.8	476.0	490.2	473.9	449.5	425.1	425.1	429.2	417.0
42.5°	347.8	347.8	356.0	364.1	343.7	335.6	323.4	315.3	325.4	315.3
45°	272.6	270.5	272.6	268.5	256.3	256.3	246.1	233.9	246.1	240.0
47.5°	223.7	221.7	219.7	211.5	199.3	201.4	197.3	187.1	193.2	191.2
50°	195.3	191.2	193.2	185.1	174.9	172.9	172.9	162.7	164.8	164.8
52.5°	170.9	170.9	168.8	164.8	160.7	152.6	154.6	144.4	144.4	144.4
55°	160.7	160.7	156.6	148.5	150.5	144.4	138.3	132.2	130.2	130.2
57.5°	158.7	158.7	156.6	148.5	142.4	140.3	132.2	124.1	118.0	120.0
60°	154.6	154.6	150.5	148.5	138.3	134.2	122.0	115.9	107.8	107.8
62.5°	148.5	146.4	138.3	126.1	126.1	115.9	107.8	95.6	89.5	87.5
65°	126.1	124.1	118.0	107.8	101.7	95.6	83.4	71.2	67.1	61.0
67.5°	103.7	103.7	99.7	89.5	85.4	77.3	63.1	54.9	44.7	40.7
70°	85.4	85.4	81.4	75.3	71.2	61.0	48.8	40.7	30.5	26.4
72.5°	69.2	69.2	65.1	61.0	57.0	50.9	40.7	30.5	20.3	16.3
75°	54.9	54.9	52.9	48.8	44.7	40.7	32.5	24.4	14.2	8.1
77.5°	44.7	44.7	42.7	40.7	36.6	32.5	26.4	20.3	10.2	4.1
80°	34.6	34.6	34.6	34.6	30.5	26.4	22.4	16.3	8.1	2.0
82.5°	24.4	24.4	26.4	30.5	24.4	20.3	20.3	16.3	6.1	2.0
85°	16.3	18.3	20.3	18.3	16.3	16.3	28.5	26.4	6.1	2.0
87.5°	8.1	8.1	8.1	8.1	8.1	6.1	8.1	6.1	4.1	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°
33723.8
33469.5
33146.1
32511.5
31563.6
30135.8
28569.6
26818.3
24705.0
22890.7
21110.9
16994.1
14447.5
12806.1
11213.5
9380.8
7493.3
5056.5
2670.6
1427.9
899.0
606.1
412.9
313.2
240.0
191.2
166.8
144.4
128.1
120.0
101.7
83.4
59.0
38.6
24.4
14.2
6.1
4.1
2.0
2.0
2.0
0.0
0.0

OF REPORT)