

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: P636340

Luminaire Tested: **IFLD-S-SA3E-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636340
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16744.3 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

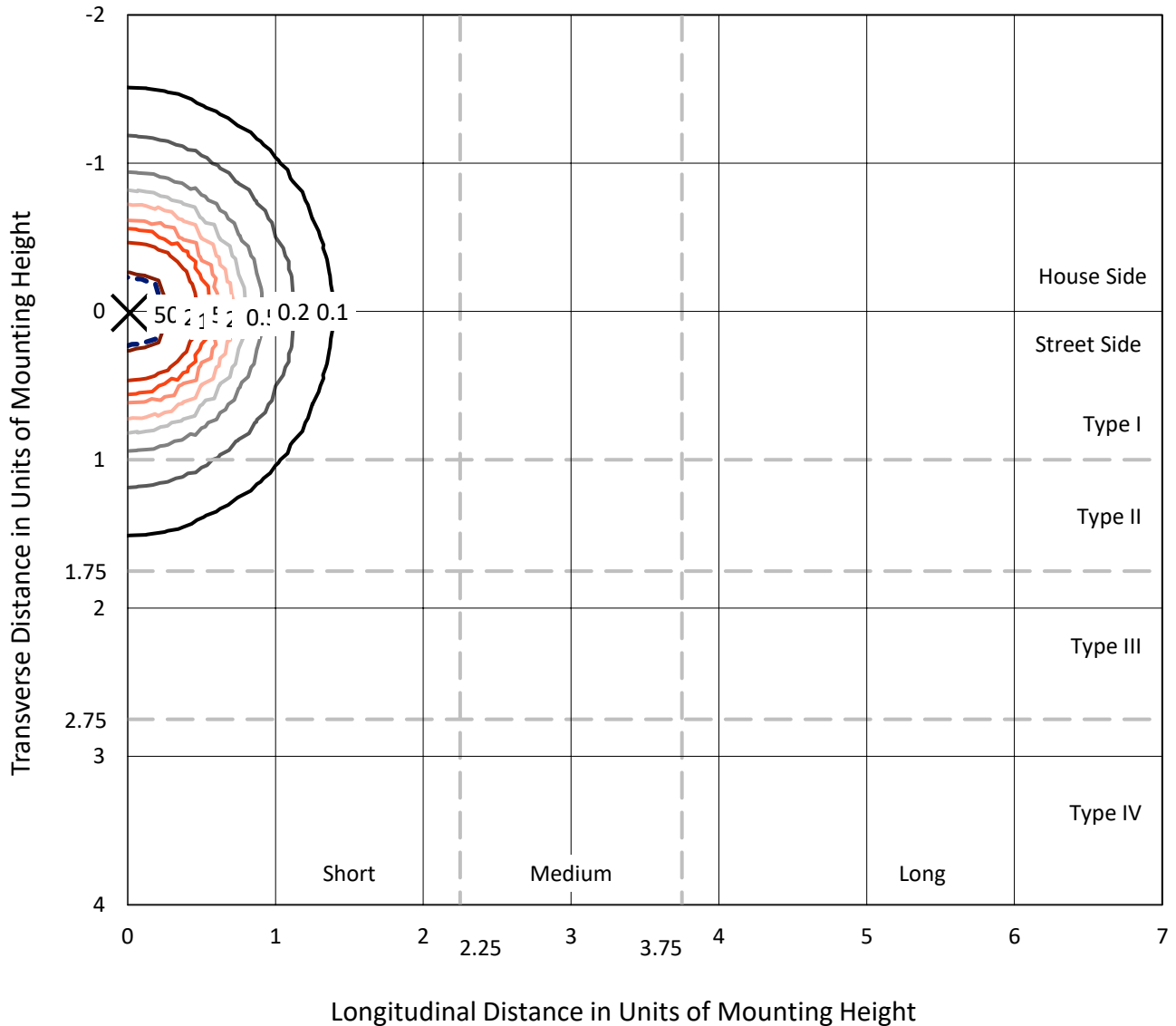
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636340
 CATALOG NUMBER: IFLD-S-SA3E-935-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

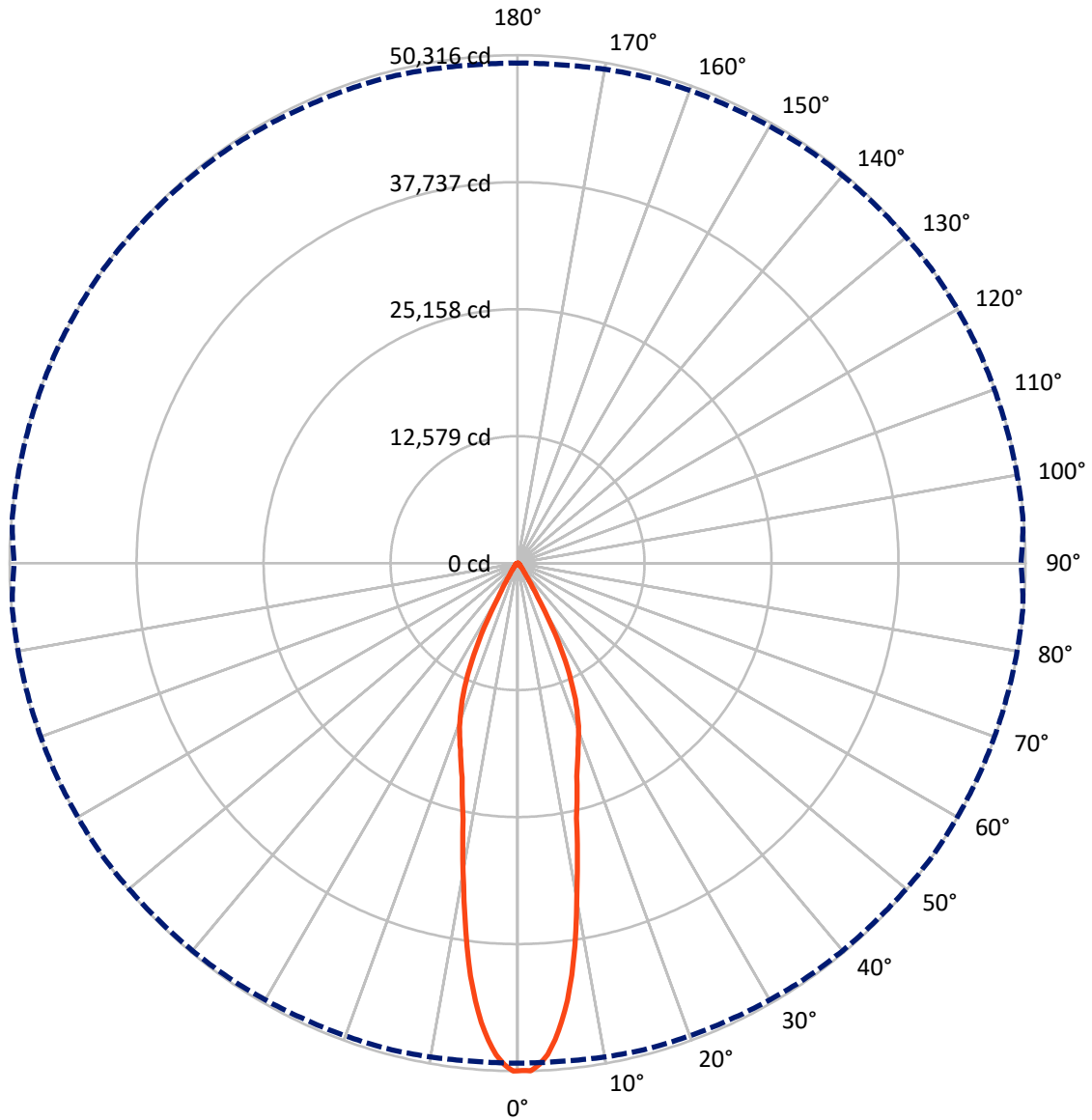
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 125.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636340
CATALOG NUMBER: IFLD-S-SA3E-935-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636340
 CATALOG NUMBER: IFLD-S-SA3E-935-U-44-VI

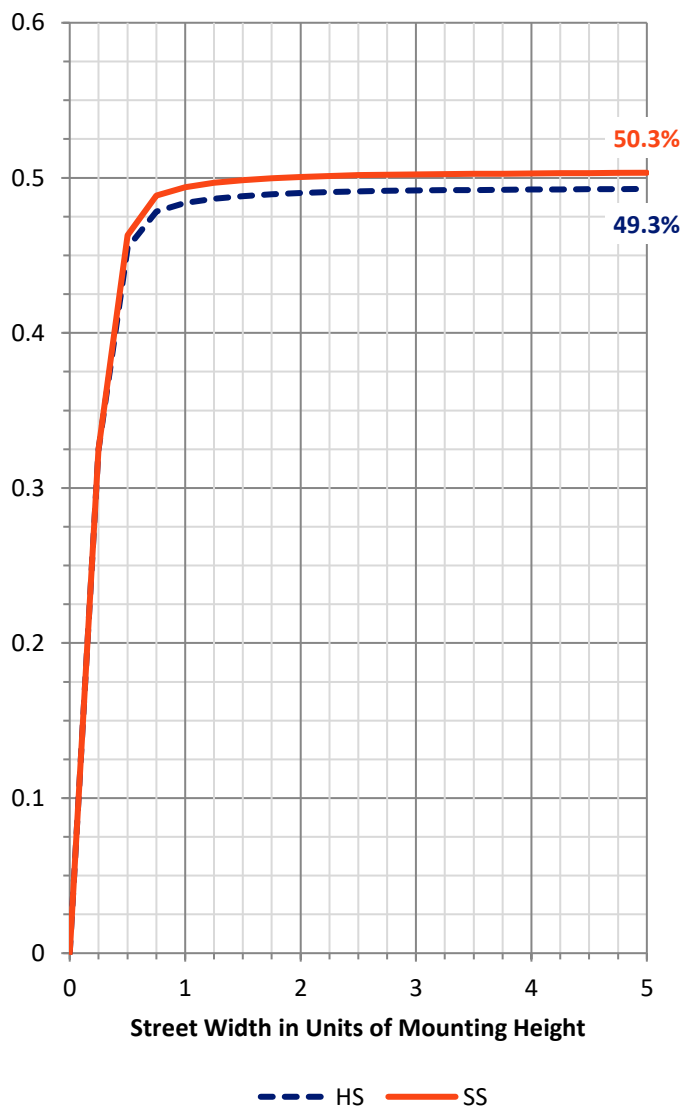
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8372.2	0.0	8372.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8372.2	0.0	8372.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16744.3	0.0	16744.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3823.9	22.8
10°-20°	6245.5	37.3
20°-30°	4880.4	29.1
30°-40°	1063.8	6.4
40°-50°	315.0	1.9
50°-60°	197.0	1.2
60°-70°	137.8	0.8
70°-80°	59.1	0.4
80°-90°	21.8	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°	16744.3	100.0
0°-180°	16744.3	100.0

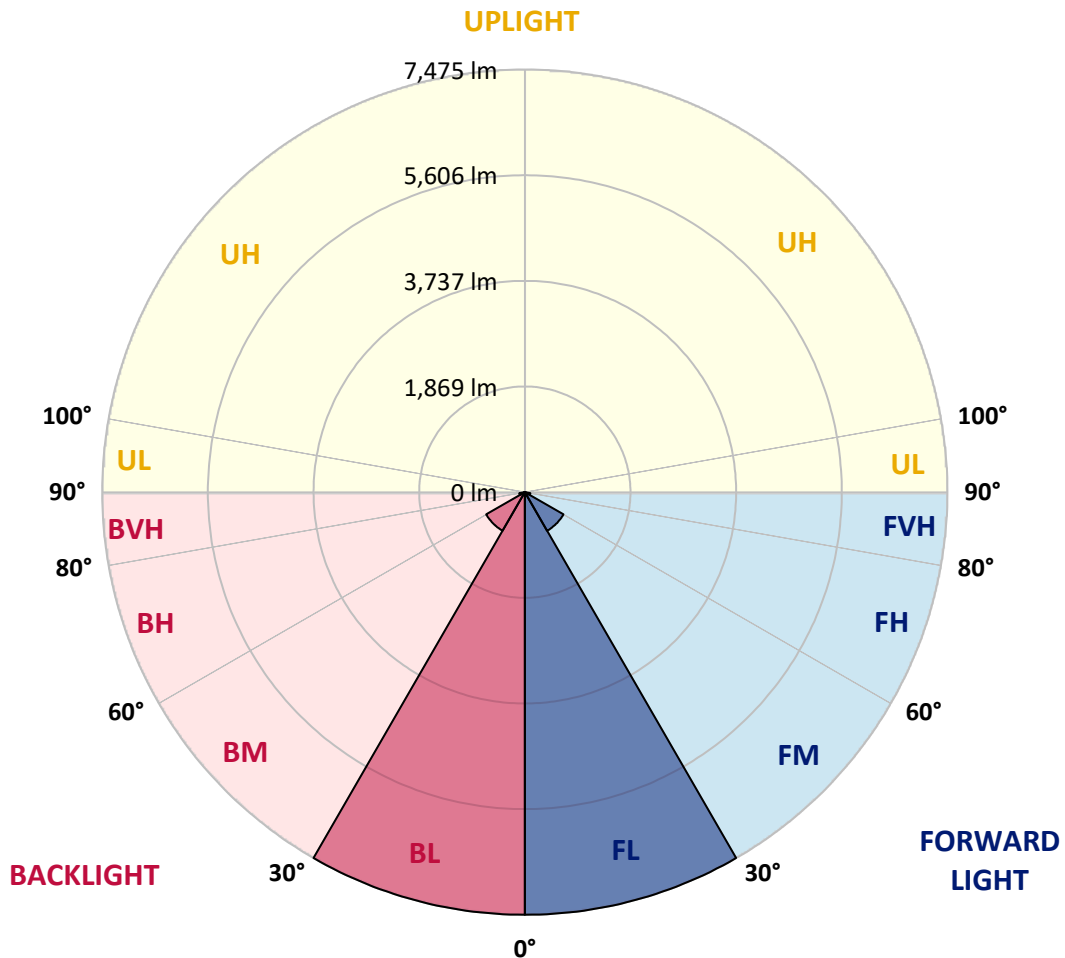


REPORT NUMBER: P636340
 CATALOG NUMBER: IFLD-S-SA3E-935-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7474.9	44.6			
FM (30°-60°)	787.9	4.7			
FH (60°-80°)	98.4	0.6			G0/660
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	7474.9	44.6	B5		
BM (30°-60°)	787.9	4.7	B1/1000		
BH (60°-80°)	98.4	0.6	B0/110		G0/660
BVH (80°-90°)	10.9	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: P636340
 CATALOG NUMBER: IFLD-S-SA3E-935-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	50258.3	50258.3	50258.3	50258.3	50258.3	50258.3	50258.3	50258.3	50258.3	50258.3
1°	49530.8	49536.8	49806.6	49867.2	50052.1	50146.1	50315.9	50297.7	50246.1	50252.2
2°	48618.3	48578.9	48830.5	49109.4	49330.7	49512.6	49715.7	49758.1	49709.6	49755.1
3°	47117.9	47060.3	47411.9	47760.5	48145.5	48457.7	48763.8	48776.0	48718.4	48715.3
4°	45144.5	45038.4	45456.7	46078.2	46563.2	46978.4	47360.4	47354.3	47275.5	47339.2
5°	42758.9	42625.6	43168.1	43986.6	44705.0	45205.2	45626.5	45526.5	45344.6	45353.7
6°	39830.7	39961.1	40624.9	41773.8	42622.5	43037.8	43556.1	43368.2	43053.0	43019.6
7°	37078.3	37372.4	37902.9	39288.1	40297.5	40734.0	41173.6	40794.7	40367.3	40297.5
8°	34180.5	34671.5	35405.1	36681.3	37757.4	38196.9	38363.6	37957.4	37499.7	37481.5
9°	31831.2	32167.7	32798.2	33922.8	35017.1	35311.1	35347.5	34992.8	34535.1	34565.4
10°	29694.2	29757.9	30303.5	31270.5	32146.5	32355.6	32346.6	32088.9	31713.0	31813.1
12.5°	24910.9	25083.7	25241.3	25550.5	25844.5	25980.9	25929.4	25823.3	25617.2	25626.3
15°	21664.4	21661.4	21679.6	21822.0	21909.9	21925.1	21925.1	21791.7	21703.8	21834.2
17.5°	18799.9	18957.5	19239.4	19354.6	19469.8	19427.3	19348.5	19287.9	19230.3	19342.5
20°	16571.9	16641.6	16644.6	16720.4	17302.4	17332.7	17232.7	17059.9	16914.4	16887.1
22.5°	14065.0	14171.1	14216.6	14283.3	14343.9	14786.5	14668.3	14389.4	14216.6	14165.1
25°	10557.9	10521.5	10818.6	11364.2	11452.1	11506.7	11476.3	11330.8	11218.7	11239.9
27.5°	7296.2	7359.9	7347.8	7353.8	7932.8	7929.8	7920.7	7793.4	7760.0	7711.5
30°	4080.1	4049.8	4064.9	4025.5	3943.7	4043.7	3883.0	4019.4	3886.1	3928.5
32.5°	2412.9	2391.7	2370.4	2379.5	2318.9	2170.4	2106.7	2200.7	2170.4	2158.3
35°	1539.9	1549.0	1576.3	1573.2	1518.7	1433.8	1342.8	1427.7	1415.6	1379.2
37.5°	982.1	982.1	991.2	1070.0	1024.6	951.8	888.2	924.5	921.5	915.4
40°	697.2	697.2	709.3	730.5	706.3	669.9	633.5	633.5	639.6	621.4
42.5°	518.3	518.3	530.5	542.6	512.3	500.2	482.0	469.8	485.0	469.8
45°	406.2	403.2	406.2	400.1	381.9	381.9	366.8	348.6	366.8	357.7
47.5°	333.4	330.4	327.4	315.3	297.1	300.1	294.0	278.9	288.0	284.9
50°	291.0	284.9	288.0	275.8	260.7	257.7	257.7	242.5	245.5	245.5
52.5°	254.6	254.6	251.6	245.5	239.5	227.3	230.4	215.2	215.2	215.2
55°	239.5	239.5	233.4	221.3	224.3	215.2	206.1	197.0	194.0	194.0
57.5°	236.4	236.4	233.4	221.3	212.2	209.2	197.0	184.9	175.8	178.8
60°	230.4	230.4	224.3	221.3	206.1	200.1	181.9	172.8	160.7	160.7
62.5°	221.3	218.3	206.1	187.9	187.9	172.8	160.7	142.5	133.4	130.3
65°	187.9	184.9	175.8	160.7	151.6	142.5	124.3	106.1	100.0	90.9
67.5°	154.6	154.6	148.5	133.4	127.3	115.2	94.0	81.8	66.7	60.6
70°	127.3	127.3	121.3	112.2	106.1	90.9	72.8	60.6	45.5	39.4
72.5°	103.1	103.1	97.0	90.9	84.9	75.8	60.6	45.5	30.3	24.3
75°	81.8	81.8	78.8	72.8	66.7	60.6	48.5	36.4	21.2	12.1
77.5°	66.7	66.7	63.7	60.6	54.6	48.5	39.4	30.3	15.2	6.1
80°	51.5	51.5	51.5	51.5	45.5	39.4	33.3	24.3	12.1	3.0
82.5°	36.4	36.4	39.4	45.5	36.4	30.3	30.3	24.3	9.1	3.0
85°	24.3	27.3	30.3	27.3	24.3	24.3	42.4	39.4	9.1	3.0
87.5°	12.1	12.1	12.1	12.1	12.1	9.1	12.1	9.1	6.1	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°
50258.3
49879.4
49397.4
48451.6
47039.1
44911.1
42577.1
39967.1
36817.7
34113.8
31461.4
25326.2
21531.0
19084.8
16711.3
13980.2
11167.2
7535.7
3980.0
2127.9
1339.8
903.3
615.3
466.8
357.7
284.9
248.6
215.2
191.0
178.8
151.6
124.3
87.9
57.6
36.4
21.2
9.1
6.1
3.0
3.0
3.0
0.0
0.0

OF REPORT)