

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: P636063

Luminaire Tested: **IFLD-L-SA7C-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636063
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27970.3 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

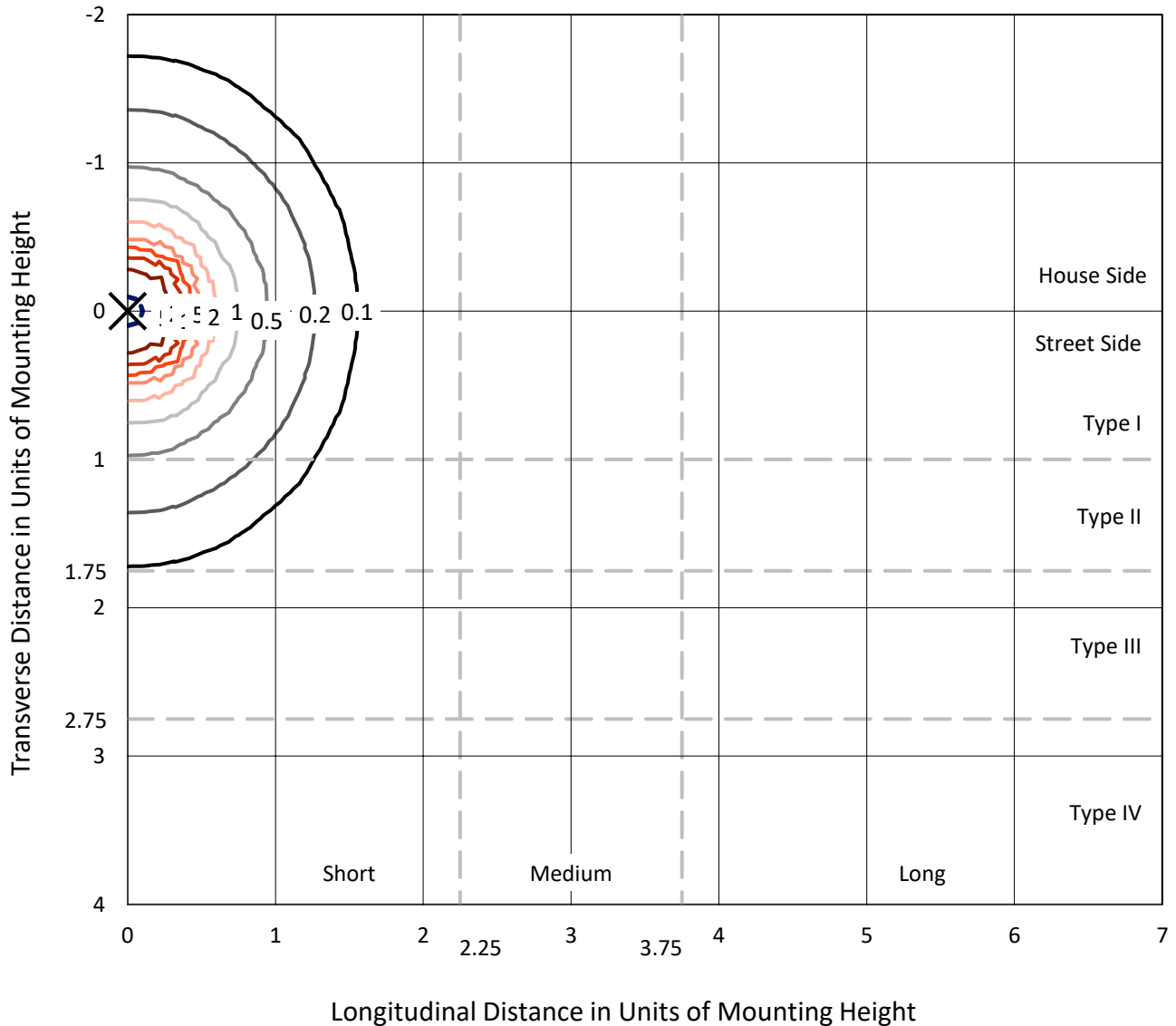
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636063
 CATALOG NUMBER: IFLD-L-SA7C-935-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

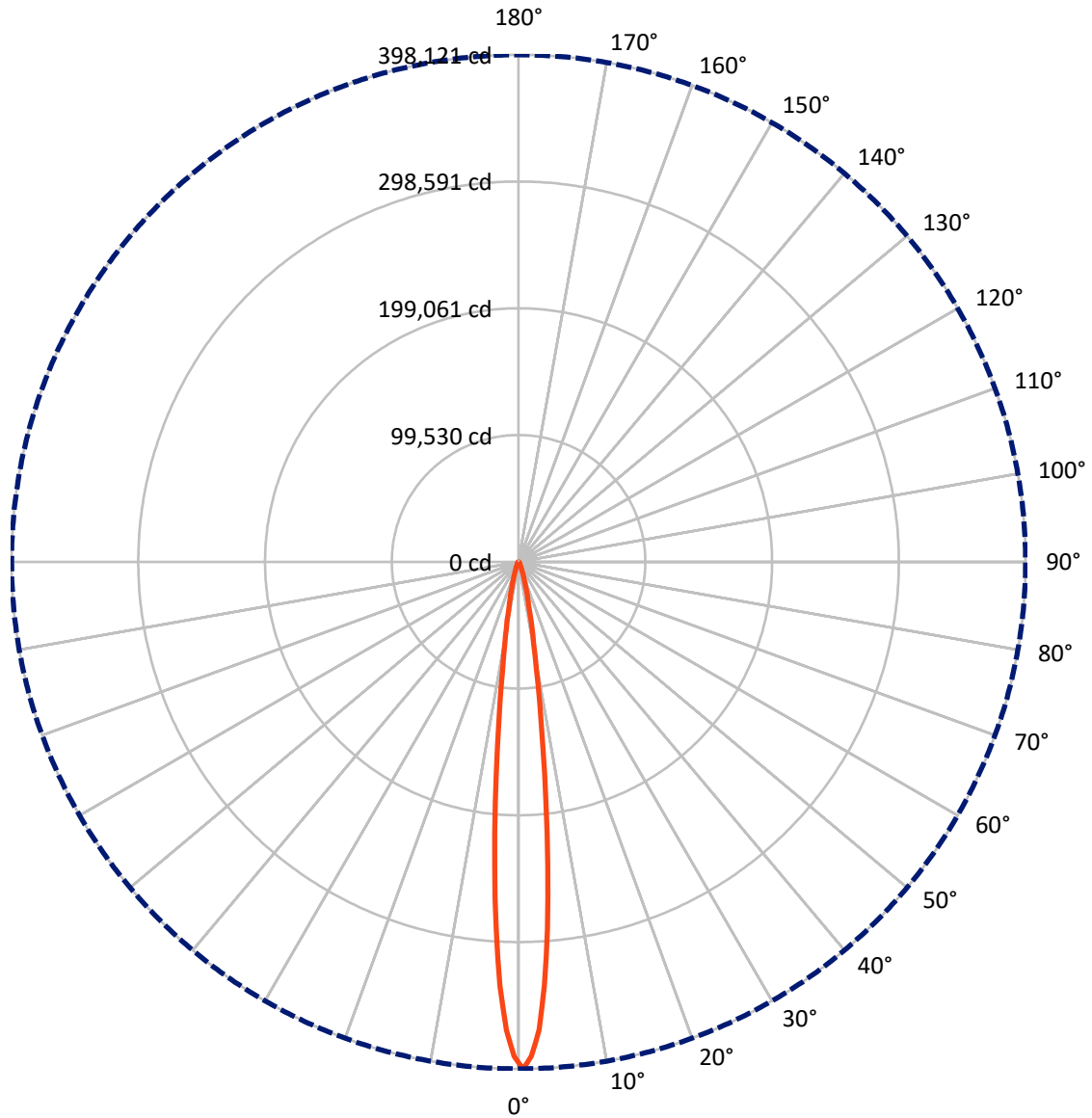
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 995.3 fc
 Type V - Short - N/A

REPORT NUMBER: P636063
CATALOG NUMBER: IFLD-L-SA7C-935-U-22-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P636063
 CATALOG NUMBER: IFLD-L-SA7C-935-U-22-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13985.2	0.0	13985.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13985.2	0.0	13985.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	27970.3	0.0	27970.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17050.2	61.0
10°-20°	7638.6	27.3
20°-30°	1705.9	6.1
30°-40°	556.8	2.0
40°-50°	384.0	1.4
50°-60°	290.1	1.0
60°-70°	198.5	0.7
70°-80°	104.5	0.4
80°-90°	41.7	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°	27970.3	100.0
0°-180°	27970.3	100.0

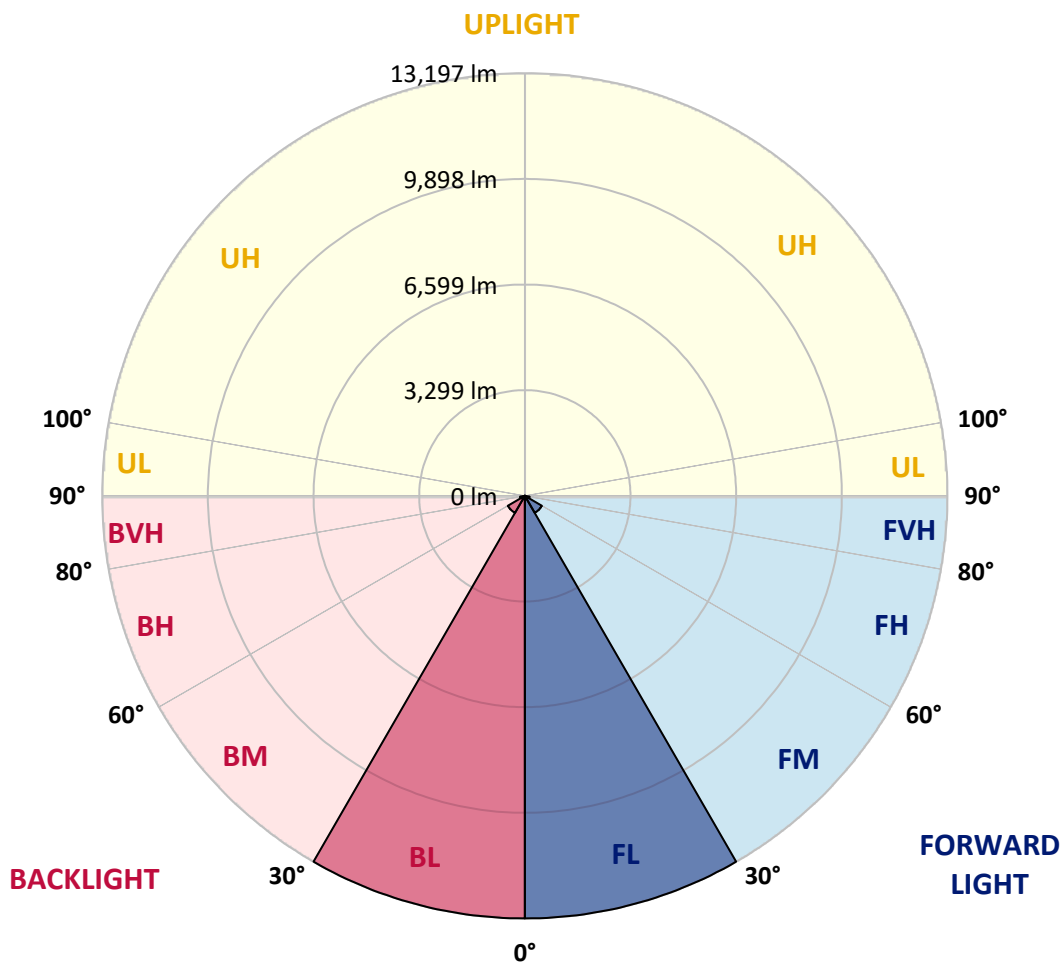


REPORT NUMBER: P636063
 CATALOG NUMBER: IFLD-L-SA7C-935-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13197.3	47.2			
FM (30°-60°)	615.4	2.2			
FH (60°-80°)	151.5	0.5			G0/660
FVH (80°-90°)	20.9	0.1			G1/100
BL (0°-30°)	13197.3	47.2	B5		
BM (30°-60°)	615.4	2.2	B1/1000		
BH (60°-80°)	151.5	0.5	B1/500		G0/660
BVH (80°-90°)	20.9	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: P636063
 CATALOG NUMBER: IFLD-L-SA7C-935-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	398121.4	398121.4	398121.4	398121.4	398121.4	398121.4	398121.4	398121.4	398121.4	398121.4
1°	388236.9	388765.0	388177.2	391146.5	392372.1	393009.8	393084.5	394758.5	393468.1	393826.8
2°	367775.6	368951.4	366983.5	368886.6	372692.9	374132.7	371786.2	374685.7	373649.5	374252.3
3°	333394.4	334834.3	332114.0	334440.7	339338.0	340434.1	336587.9	340708.1	340603.5	341470.4
4°	289079.0	291415.6	287529.6	290284.7	292451.9	296268.1	292541.6	297229.7	297140.0	298644.6
5°	238775.2	241301.1	237923.2	240782.9	242835.5	244255.4	242890.3	248076.7	248405.5	249959.9
6°	189552.4	191908.9	188137.5	190867.7	194121.0	194703.9	194350.1	198814.1	199805.5	198594.9
7°	145879.7	146467.6	145874.7	148355.8	150966.4	151061.0	151519.4	155445.2	156317.1	155898.6
8°	111722.7	109032.4	111344.0	112659.3	113466.4	117173.1	117447.1	119424.9	121029.2	121143.8
9°	85043.8	82552.7	85228.1	85751.2	87604.5	90897.7	90484.2	92646.4	93652.8	93588.0
10°	64836.5	63571.1	64911.3	65489.2	67013.7	69803.6	70286.9	71278.3	72025.6	72513.9
12.5°	35183.3	35477.2	36254.4	36862.3	38914.9	39657.2	39956.1	40040.8	40035.8	40115.5
15°	21856.3	22095.4	22638.5	23739.5	24990.0	25911.7	26041.2	25562.9	25149.4	25084.7
17.5°	13630.9	13536.3	14811.7	16017.3	17521.9	18000.2	17502.0	16953.9	16391.0	16067.1
20°	8180.5	8245.3	8678.7	9216.8	10432.4	11259.5	10741.3	10183.3	9600.4	9216.8
22.5°	4648.3	4718.0	4907.3	5186.3	5649.7	6401.9	6073.1	5510.2	5096.6	4927.3
25°	2745.1	2745.1	2859.7	2984.3	3178.6	3352.9	3283.2	2984.3	2740.1	2670.4
27.5°	1778.6	1763.6	1803.5	1863.3	1953.0	1962.9	1883.2	1793.5	1669.0	1624.2
30°	1300.3	1305.3	1300.3	1325.2	1320.2	1285.4	1235.6	1240.5	1190.7	1185.7
32.5°	1056.2	1061.2	1061.2	1056.2	1031.3	976.5	941.6	976.5	966.5	956.6
35°	876.8	881.8	931.6	926.7	886.8	827.0	802.1	842.0	871.9	827.0
37.5°	757.3	762.3	802.1	822.0	772.2	732.4	702.5	737.3	782.2	732.4
40°	667.6	672.6	682.5	687.5	662.6	642.7	627.7	637.7	657.6	632.7
42.5°	587.9	582.9	587.9	582.9	553.0	563.0	553.0	538.1	553.0	533.1
45°	513.2	513.2	513.2	498.2	468.3	488.2	478.3	463.3	468.3	453.4
47.5°	468.3	468.3	468.3	448.4	423.5	423.5	428.5	403.5	408.5	403.5
50°	423.5	423.5	433.4	413.5	393.6	378.6	383.6	363.7	368.7	363.7
52.5°	388.6	388.6	388.6	378.6	363.7	353.7	343.8	333.8	328.8	323.8
55°	373.7	373.7	368.7	338.8	333.8	323.8	303.9	298.9	289.0	284.0
57.5°	348.7	348.7	343.8	318.9	298.9	298.9	269.0	264.0	249.1	249.1
60°	308.9	308.9	303.9	298.9	274.0	259.1	239.1	229.2	214.2	209.2
62.5°	293.9	293.9	284.0	259.1	254.1	229.2	209.2	189.3	179.4	169.4
65°	274.0	269.0	264.0	239.1	219.2	204.3	179.4	154.4	144.5	124.6
67.5°	244.1	244.1	239.1	219.2	199.3	174.4	149.5	129.5	104.6	89.7
70°	214.2	209.2	209.2	189.3	174.4	154.4	119.6	99.6	74.7	59.8
72.5°	179.4	179.4	174.4	159.4	149.5	134.5	104.6	79.7	49.8	39.9
75°	144.5	144.5	139.5	129.5	124.6	109.6	89.7	69.7	39.9	19.9
77.5°	119.6	114.6	114.6	104.6	99.6	89.7	74.7	54.8	29.9	14.9
80°	89.7	89.7	94.7	89.7	79.7	74.7	64.8	49.8	24.9	10.0
82.5°	64.8	64.8	69.7	69.7	69.7	64.8	64.8	49.8	24.9	5.0
85°	44.8	44.8	54.8	49.8	49.8	54.8	79.7	64.8	19.9	5.0
87.5°	24.9	24.9	24.9	19.9	19.9	24.9	29.9	24.9	10.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
398121.4
391191.3
372100.1
339143.7
296004.1
246990.6
198719.4
155325.7
119699.0
95112.5
72802.8
40180.3
24885.4
16017.3
9301.5
4947.2
2660.4
1624.2
1180.7
936.6
817.1
727.4
622.8
533.1
453.4
403.5
363.7
323.8
279.0
249.1
199.3
164.4
119.6
89.7
59.8
34.9
19.9
10.0
5.0
5.0
5.0
5.0
0.0

OF REPORT)