

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: P636343

Luminaire Tested: **IFLD-S-SA6C-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636343
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25794.2 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

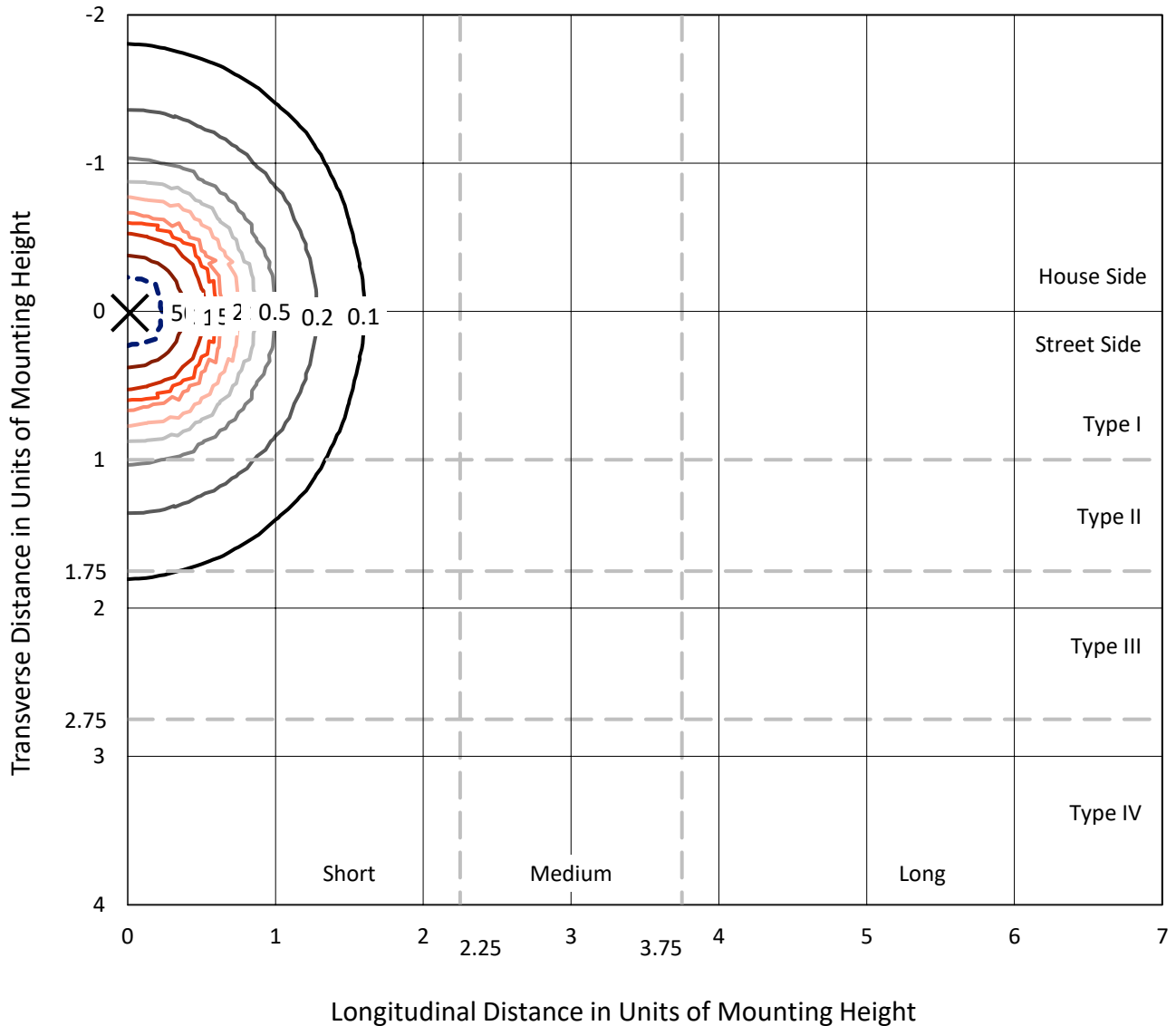
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

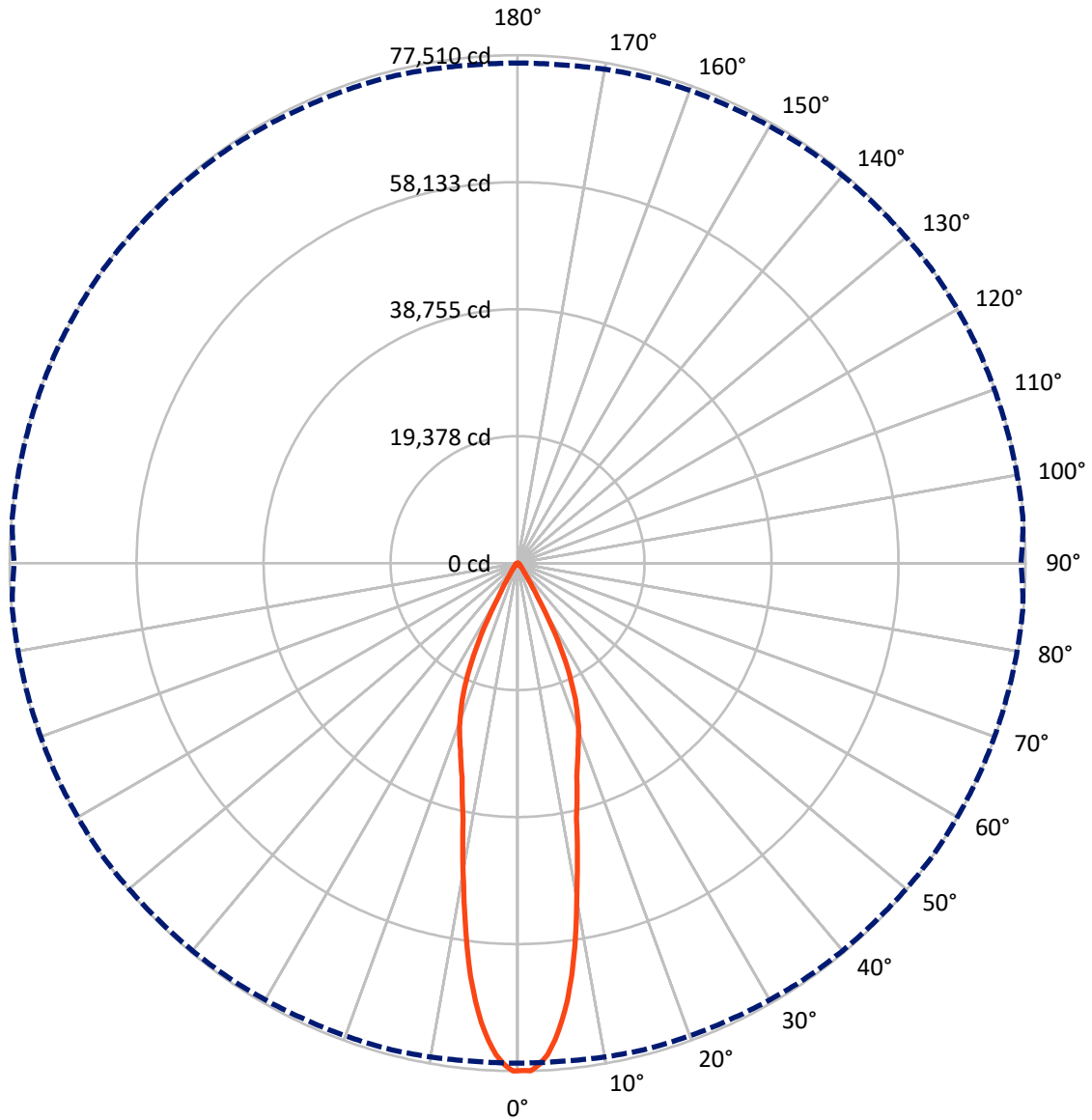
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 193.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636343
CATALOG NUMBER: IFLD-S-SA6C-935-U-44-VI

Luminous Intensity Polar Plot



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

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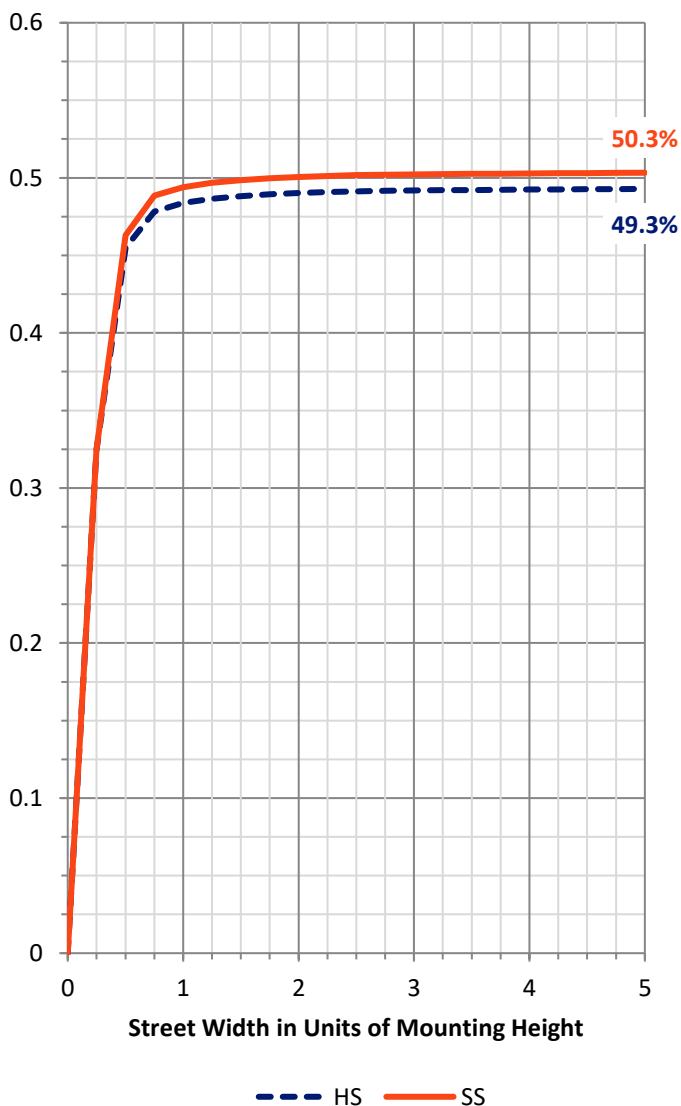
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12897.1	0.0	12897.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12897.1	0.0	12897.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25794.2	0.0	25794.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5890.7	22.8
10°-20°	9621.0	37.3
20°-30°	7518.2	29.1
30°-40°	1638.7	6.4
40°-50°	485.2	1.9
50°-60°	303.5	1.2
60°-70°	212.2	0.8
70°-80°	91.1	0.4
80°-90°	33.7	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°	25794.2	100.0
0°-180°	25794.2	100.0



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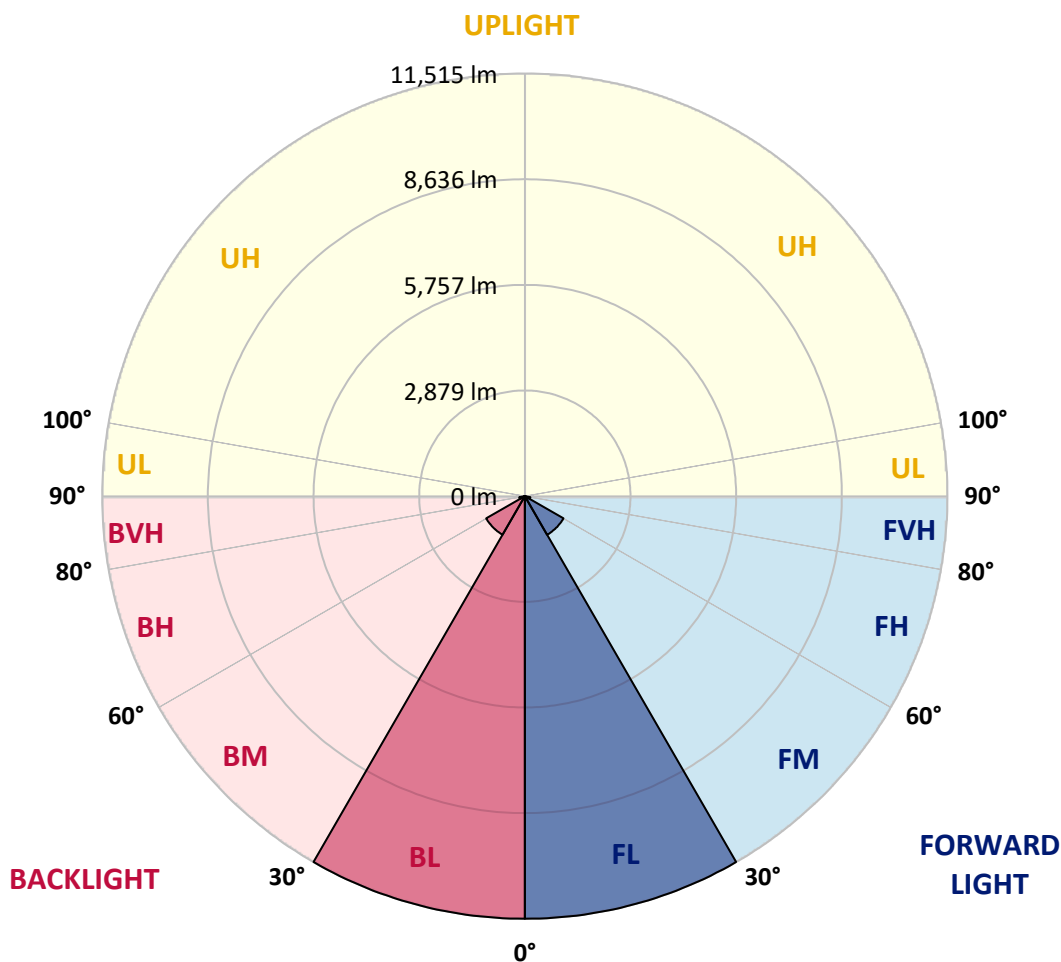
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11515.0	44.6			
FM (30°-60°)	1213.7	4.7			
FH (60°-80°)	151.6	0.6			G0/660
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	11515.0	44.6	B5		
BM (30°-60°)	1213.7	4.7	B2/2500		
BH (60°-80°)	151.6	0.6	B1/500		G0/660
BVH (80°-90°)	16.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	77421.7	77421.7	77421.7	77421.7	77421.7	77421.7	77421.7	77421.7	77421.7	77421.7
1°	76301.0	76310.3	76725.9	76819.3	77104.2	77248.9	77510.4	77482.4	77403.0	77412.4
2°	74895.4	74834.7	75222.3	75651.9	75992.8	76273.0	76585.8	76651.2	76576.5	76646.5
3°	72584.0	72495.3	73037.0	73574.0	74167.0	74648.0	75119.6	75138.3	75049.5	75044.9
4°	69544.1	69380.7	70025.1	70982.3	71729.5	72369.2	72957.6	72948.2	72826.8	72924.9
5°	65869.1	65663.7	66499.5	67760.3	68867.0	69637.5	70286.6	70132.5	69852.3	69866.3
6°	61358.3	61559.1	62581.8	64351.5	65659.0	66298.7	67097.2	66807.7	66322.1	66270.7
7°	57118.3	57571.3	58388.5	60522.5	62077.4	62749.9	63426.9	62843.3	62184.8	62077.4
8°	52654.2	53410.7	54540.7	56506.6	58164.3	58841.4	59098.2	58472.5	57767.4	57739.4
9°	49035.3	49553.6	50524.9	52257.3	53943.0	54396.0	54452.0	53905.7	53200.6	53247.3
10°	45743.2	45841.3	46681.8	48171.4	49520.9	49843.1	49829.1	49432.2	48853.2	49007.3
12.5°	38374.6	38640.8	38883.6	39359.9	39812.9	40023.0	39943.6	39780.2	39462.6	39476.7
15°	33373.5	33368.8	33396.9	33616.3	33751.7	33775.1	33775.1	33569.6	33434.2	33635.0
17.5°	28960.8	29203.6	29637.8	29815.3	29992.7	29927.4	29805.9	29712.6	29623.8	29796.6
20°	25528.6	25636.0	25640.7	25757.4	26654.0	26700.7	26546.6	26280.4	26056.3	26014.2
22.5°	21666.9	21830.3	21900.3	22003.1	22096.5	22778.2	22596.1	22166.5	21900.3	21821.0
25°	16264.2	16208.1	16665.7	17506.3	17641.7	17725.7	17679.0	17454.9	17282.1	17314.8
27.5°	11239.7	11337.7	11319.1	11328.4	12220.3	12215.6	12201.6	12005.5	11954.1	11879.4
30°	6285.3	6238.6	6261.9	6201.2	6075.1	6229.2	5981.7	6191.9	5986.4	6051.8
32.5°	3717.0	3684.3	3651.6	3665.6	3572.2	3343.4	3245.4	3390.1	3343.4	3324.7
35°	2372.1	2386.2	2428.2	2423.5	2339.5	2208.7	2068.6	2199.4	2180.7	2124.7
37.5°	1512.9	1512.9	1527.0	1648.4	1578.3	1466.2	1368.2	1424.2	1419.6	1410.2
40°	1074.0	1074.0	1092.7	1125.4	1088.0	1032.0	975.9	975.9	985.3	957.3
42.5°	798.5	798.5	817.2	835.9	789.2	770.5	742.5	723.8	747.1	723.8
45°	625.7	621.1	625.7	616.4	588.4	588.4	565.0	537.0	565.0	551.0
47.5°	513.7	509.0	504.3	485.6	457.6	462.3	452.9	429.6	443.6	438.9
50°	448.3	438.9	443.6	424.9	401.6	396.9	396.9	373.6	378.2	378.2
52.5°	392.2	392.2	387.6	378.2	368.9	350.2	354.9	331.5	331.5	331.5
55°	368.9	368.9	359.6	340.9	345.5	331.5	317.5	303.5	298.9	298.9
57.5°	364.2	364.2	359.6	340.9	326.9	322.2	303.5	284.8	270.8	275.5
60°	354.9	354.9	345.5	340.9	317.5	308.2	280.2	266.2	247.5	247.5
62.5°	340.9	336.2	317.5	289.5	289.5	266.2	247.5	219.5	205.5	200.8
65°	289.5	284.8	270.8	247.5	233.5	219.5	191.5	163.4	154.1	140.1
67.5°	238.1	238.1	228.8	205.5	196.1	177.4	144.8	126.1	102.7	93.4
70°	196.1	196.1	186.8	172.8	163.4	140.1	112.1	93.4	70.0	60.7
72.5°	158.8	158.8	149.4	140.1	130.7	116.7	93.4	70.0	46.7	37.4
75°	126.1	126.1	121.4	112.1	102.7	93.4	74.7	56.0	32.7	18.7
77.5°	102.7	102.7	98.1	93.4	84.1	74.7	60.7	46.7	23.3	9.3
80°	79.4	79.4	79.4	79.4	70.0	60.7	51.4	37.4	18.7	4.7
82.5°	56.0	56.0	60.7	70.0	56.0	46.7	46.7	37.4	14.0	4.7
85°	37.4	42.0	46.7	42.0	37.4	37.4	65.4	60.7	14.0	4.7
87.5°	18.7	18.7	18.7	18.7	18.7	14.0	18.7	14.0	9.3	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°
77421.7
76838.0
76095.5
74638.6
72462.6
69184.5
65589.0
61568.5
56716.8
52551.5
48465.6
39014.4
33168.0
29399.7
25743.4
21536.1
17202.7
11608.6
6131.2
3278.0
2064.0
1391.5
947.9
719.1
551.0
438.9
382.9
331.5
294.2
275.5
233.5
191.5
135.4
88.7
56.0
32.7
14.0
9.3
4.7
4.7
4.7
0.0
0.0

OF REPORT)