

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: P636349

Luminaire Tested: **IFLD-M-SA4D-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636349
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19420.2 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

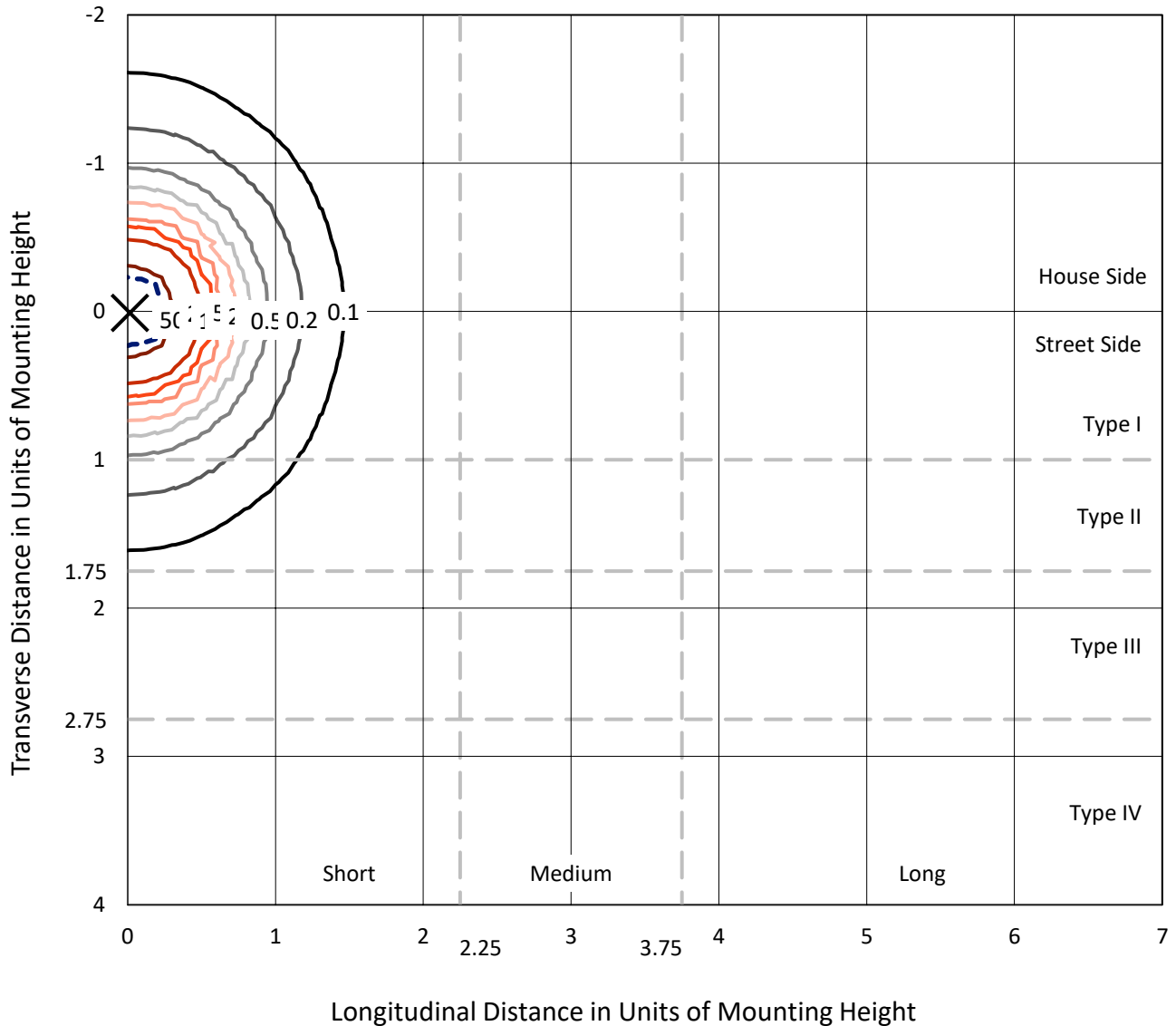
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636349
 CATALOG NUMBER: IFLD-M-SA4D-935-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

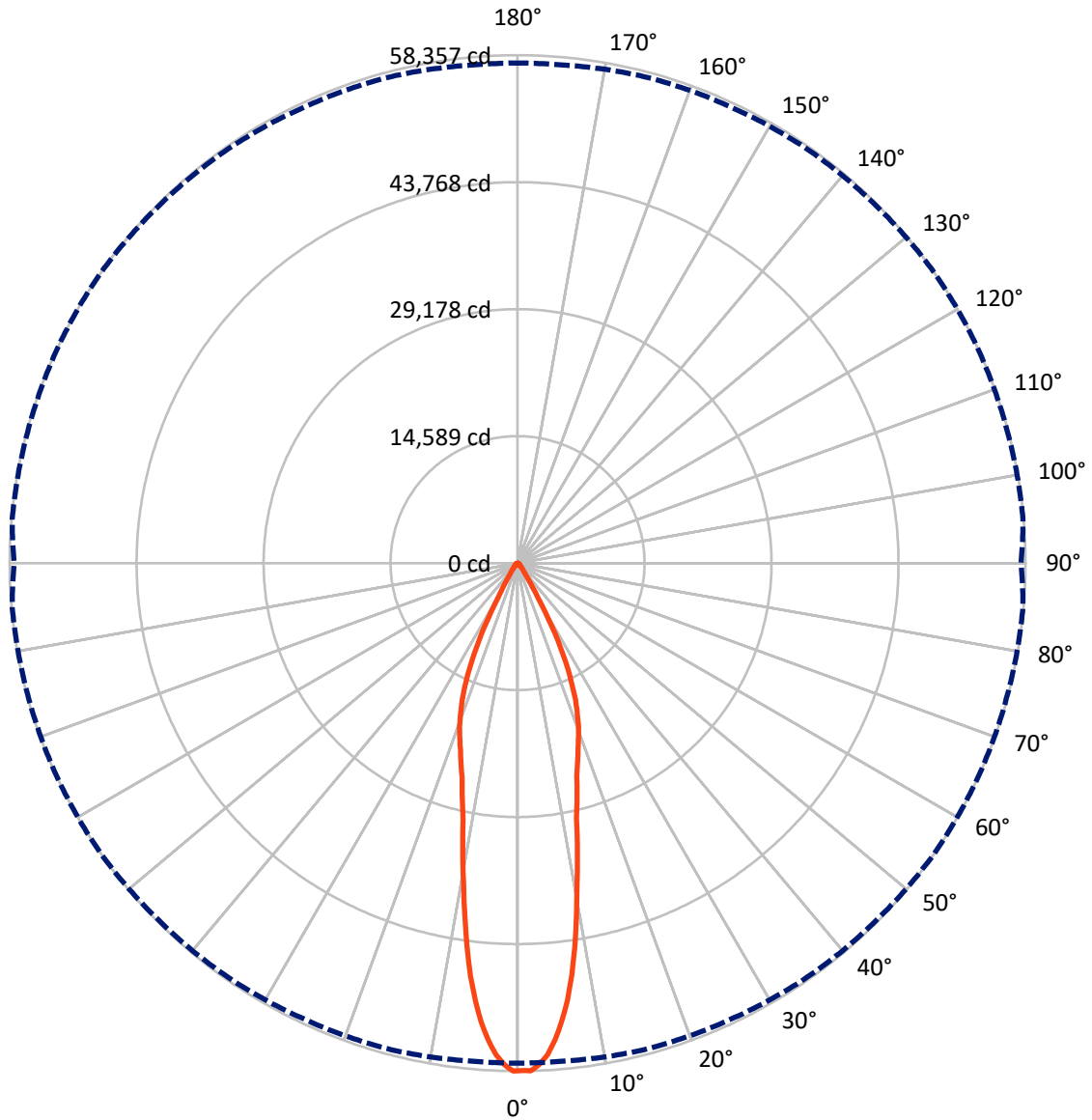
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 145.7 fc
 Type V - Short - N/A

REPORT NUMBER: P636349
CATALOG NUMBER: IFLD-M-SA4D-935-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636349
 CATALOG NUMBER: IFLD-M-SA4D-935-U-44-VI

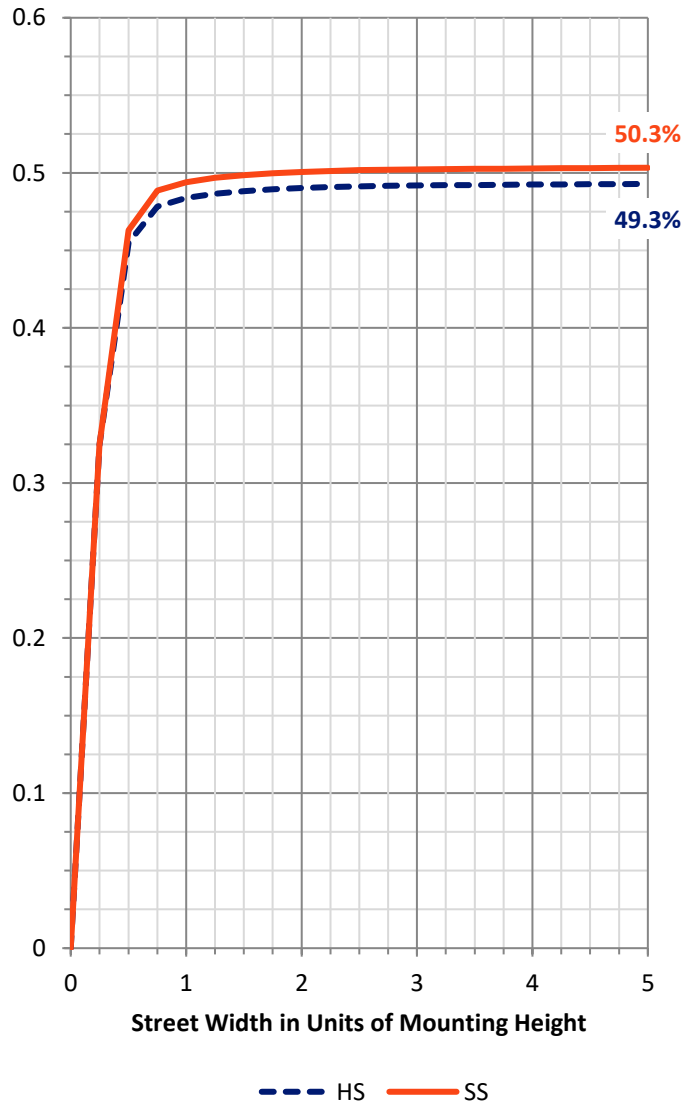
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9710.1	0.0	9710.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9710.1	0.0	9710.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19420.2	0.0	19420.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4435.0	22.8
10°-20°	7243.6	37.3
20°-30°	5660.4	29.1
30°-40°	1233.8	6.4
40°-50°	365.3	1.9
50°-60°	228.5	1.2
60°-70°	159.8	0.8
70°-80°	68.6	0.4
80°-90°	25.3	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°	19420.2	100.0
0°-180°	19420.2	100.0

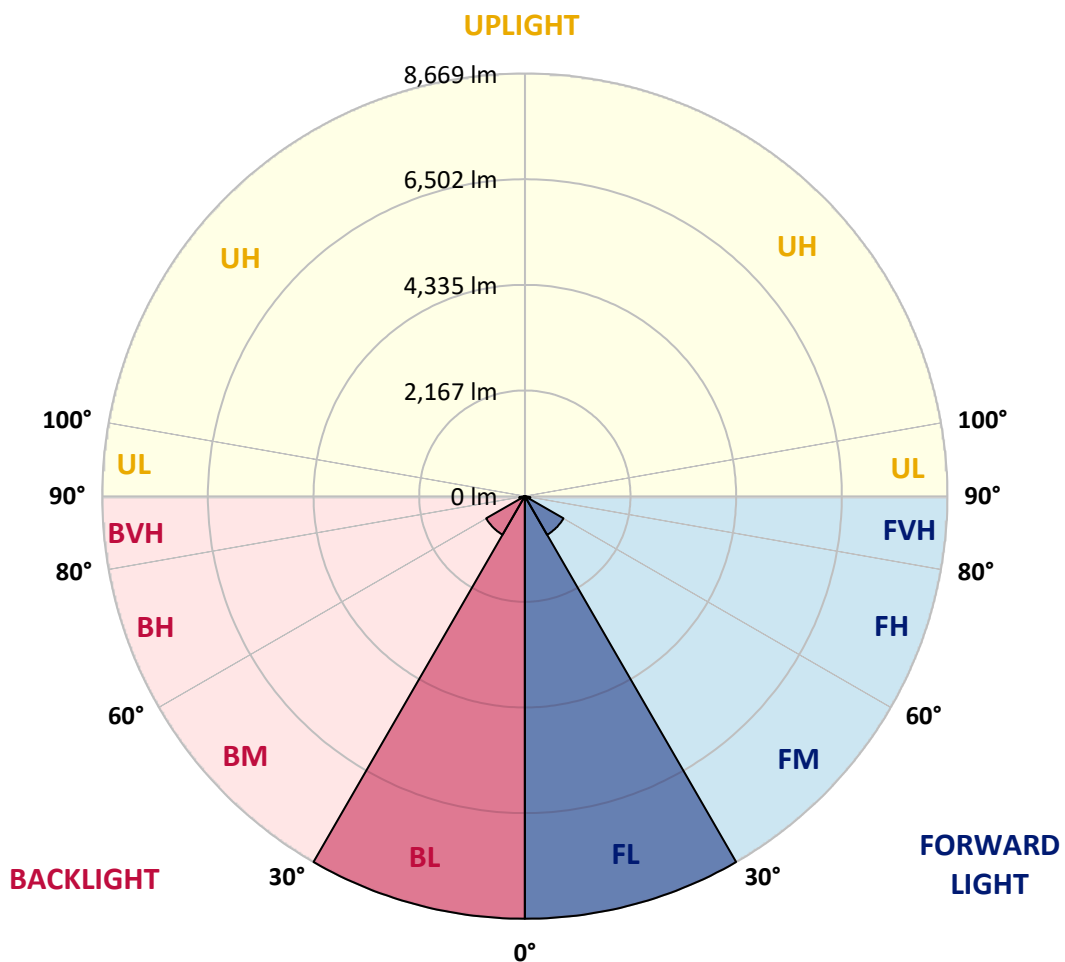


REPORT NUMBER: P636349
 CATALOG NUMBER: IFLD-M-SA4D-935-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8669.5	44.6			
FM (30°-60°)	913.8	4.7			
FH (60°-80°)	114.2	0.6			G0/660
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	8669.5	44.6	B5		
BM (30°-60°)	913.8	4.7	B1/1000		
BH (60°-80°)	114.2	0.6	B1/500		G0/660
BVH (80°-90°)	12.7	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: P636349
 CATALOG NUMBER: IFLD-M-SA4D-935-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	58290.0	58290.0	58290.0	58290.0	58290.0	58290.0	58290.0	58290.0	58290.0	58290.0
1°	57446.2	57453.2	57766.1	57836.5	58050.9	58159.9	58356.8	58335.7	58275.9	58282.9
2°	56388.0	56342.3	56634.1	56957.5	57214.2	57425.1	57660.7	57709.9	57653.6	57706.4
3°	54647.7	54580.9	54988.8	55393.1	55839.5	56201.7	56556.7	56570.8	56504.0	56500.5
4°	52359.0	52236.0	52721.1	53441.9	54004.4	54486.0	54929.0	54922.0	54830.5	54904.4
5°	49592.2	49437.5	50066.8	51016.0	51849.3	52429.3	52918.0	52802.0	52591.1	52601.6
6°	46196.0	46347.2	47117.1	48449.6	49434.0	49915.6	50516.8	50298.8	49933.2	49894.5
7°	43003.8	43344.8	43960.1	45566.7	46737.5	47243.7	47753.5	47314.0	46818.3	46737.5
8°	39642.8	40212.3	41063.1	42543.2	43791.3	44301.1	44494.4	44023.3	43492.5	43471.4
9°	36918.2	37308.4	38039.7	39344.0	40613.1	40954.2	40996.3	40585.0	40054.1	40089.3
10°	34439.6	34513.4	35146.3	36267.8	37283.8	37526.4	37515.8	37217.0	36781.0	36897.1
12.5°	28891.9	29092.3	29275.1	29633.7	29974.7	30132.9	30073.1	29950.1	29711.0	29721.6
15°	25126.6	25123.1	25144.1	25309.4	25411.3	25428.9	25428.9	25274.2	25172.3	25323.4
17.5°	21804.2	21987.1	22314.0	22447.6	22581.2	22532.0	22440.6	22370.3	22303.5	22433.6
20°	19220.2	19301.1	19304.6	19392.5	20067.5	20102.7	19986.6	19786.2	19617.5	19585.9
22.5°	16312.8	16435.8	16488.5	16565.9	16636.2	17149.5	17012.4	16688.9	16488.5	16428.8
25°	12245.1	12202.9	12547.5	13180.3	13282.2	13345.5	13310.4	13141.6	13011.5	13036.1
27.5°	8462.2	8536.1	8522.0	8529.0	9200.5	9197.0	9186.5	9038.8	9000.1	8943.9
30°	4732.1	4696.9	4714.5	4668.8	4573.9	4689.9	4503.6	4661.8	4507.1	4556.3
32.5°	2798.5	2773.9	2749.3	2759.8	2689.5	2517.2	2443.4	2552.4	2517.2	2503.2
35°	1786.0	1796.5	1828.2	1824.6	1761.4	1662.9	1557.4	1655.9	1641.8	1599.6
37.5°	1139.1	1139.1	1149.6	1241.0	1188.3	1103.9	1030.1	1072.3	1068.8	1061.7
40°	808.6	808.6	822.7	847.3	819.2	777.0	734.8	734.8	741.8	720.7
42.5°	601.2	601.2	615.2	629.3	594.1	580.1	559.0	544.9	562.5	544.9
45°	471.1	467.6	471.1	464.1	443.0	443.0	425.4	404.3	425.4	414.9
47.5°	386.7	383.2	379.7	365.6	344.5	348.1	341.0	323.4	334.0	330.5
50°	337.5	330.5	334.0	319.9	302.3	298.8	298.8	281.3	284.8	284.8
52.5°	295.3	295.3	291.8	284.8	277.7	263.7	267.2	249.6	249.6	249.6
55°	277.7	277.7	270.7	256.6	260.2	249.6	239.1	228.5	225.0	225.0
57.5°	274.2	274.2	270.7	256.6	246.1	242.6	228.5	214.5	203.9	207.4
60°	267.2	267.2	260.2	256.6	239.1	232.0	210.9	200.4	186.3	186.3
62.5°	256.6	253.1	239.1	218.0	218.0	200.4	186.3	165.2	154.7	151.2
65°	218.0	214.5	203.9	186.3	175.8	165.2	144.1	123.0	116.0	105.5
67.5°	179.3	179.3	172.3	154.7	147.7	133.6	109.0	94.9	77.3	70.3
70°	147.7	147.7	140.6	130.1	123.0	105.5	84.4	70.3	52.7	45.7
72.5°	119.5	119.5	112.5	105.5	98.4	87.9	70.3	52.7	35.2	28.1
75°	94.9	94.9	91.4	84.4	77.3	70.3	56.3	42.2	24.6	14.1
77.5°	77.3	77.3	73.8	70.3	63.3	56.3	45.7	35.2	17.6	7.0
80°	59.8	59.8	59.8	59.8	52.7	45.7	38.7	28.1	14.1	3.5
82.5°	42.2	42.2	45.7	52.7	42.2	35.2	35.2	28.1	10.5	3.5
85°	28.1	31.6	35.2	31.6	28.1	28.1	49.2	45.7	10.5	3.5
87.5°	14.1	14.1	14.1	14.1	14.1	10.5	14.1	10.5	7.0	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°
58290.0
57850.5
57291.5
56194.6
54556.3
52088.3
49381.2
46354.2
42701.5
39565.5
36489.2
29373.5
24971.9
22134.7
19381.9
16214.3
12951.8
8740.0
4616.1
2468.0
1553.9
1047.7
713.7
541.4
414.9
330.5
288.3
249.6
221.5
207.4
175.8
144.1
102.0
66.8
42.2
24.6
10.5
7.0
3.5
3.5
3.5
0.0
0.0

OF REPORT)