

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: P635911

Luminaire Tested: **IFLD-M-SA4A-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635911
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9004.5 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 128.6
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

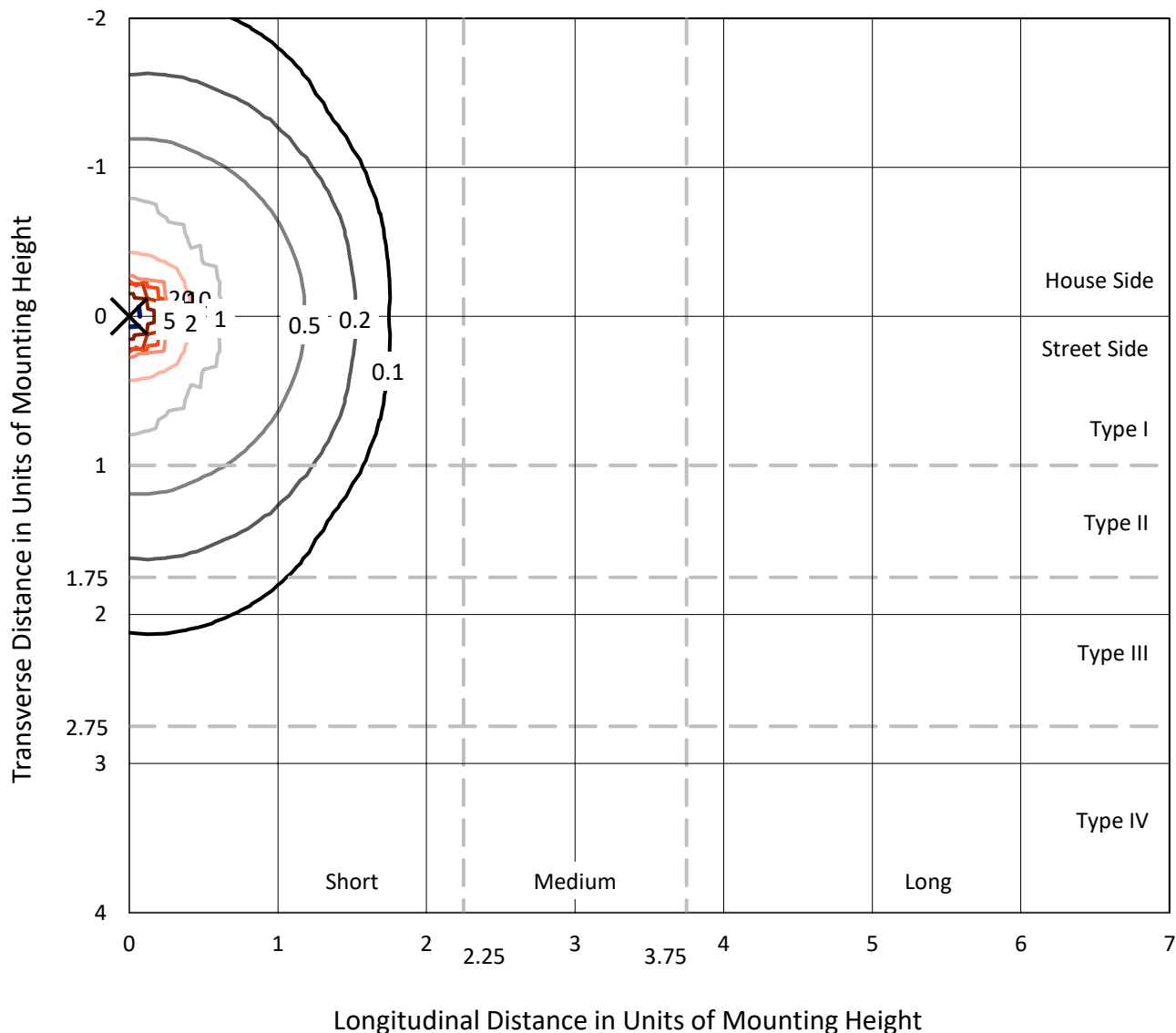


REPORT NUMBER: P635911
 CATALOG NUMBER: IFLD-M-SA4A-935-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

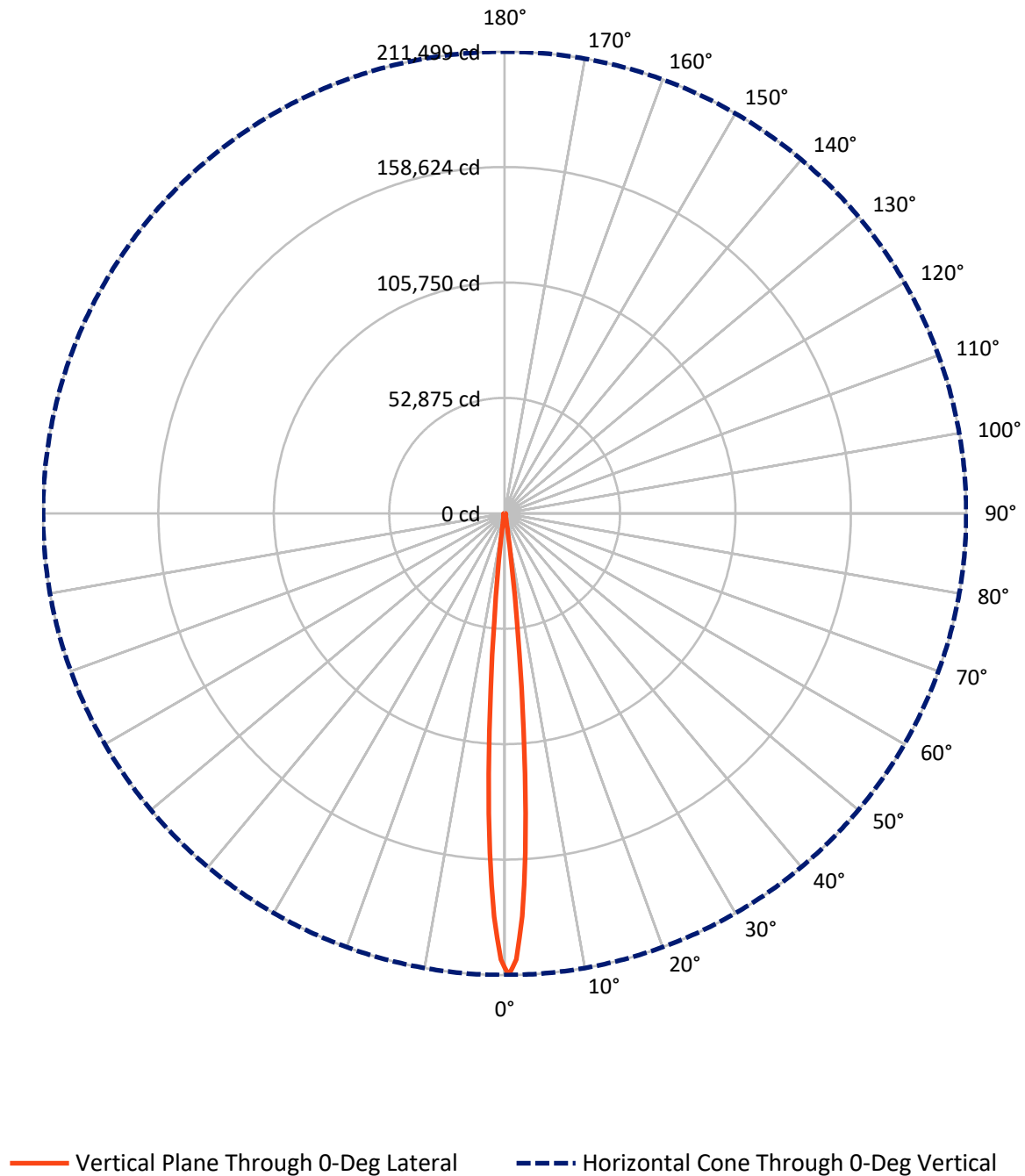
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 528.7 fc
 Type V - Short - N/A

REPORT NUMBER: P635911
CATALOG NUMBER: IFLD-M-SA4A-935-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635911

CATALOG NUMBER: IFLD-M-SA4A-935-U-11-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4502.2	0.0	4502.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4502.2	0.0	4502.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9004.5	0.0	9004.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5683.4	63.1
10°-20°	702.4	7.8
20°-30°	420.8	4.7
30°-40°	452.5	5.0
40°-50°	608.4	6.8
50°-60°	542.4	6.0
60°-70°	358.3	4.0
70°-80°	177.6	2.0
80°-90°	58.6	0.7
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°	9004.5	100.0
0°-180°	9004.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635911

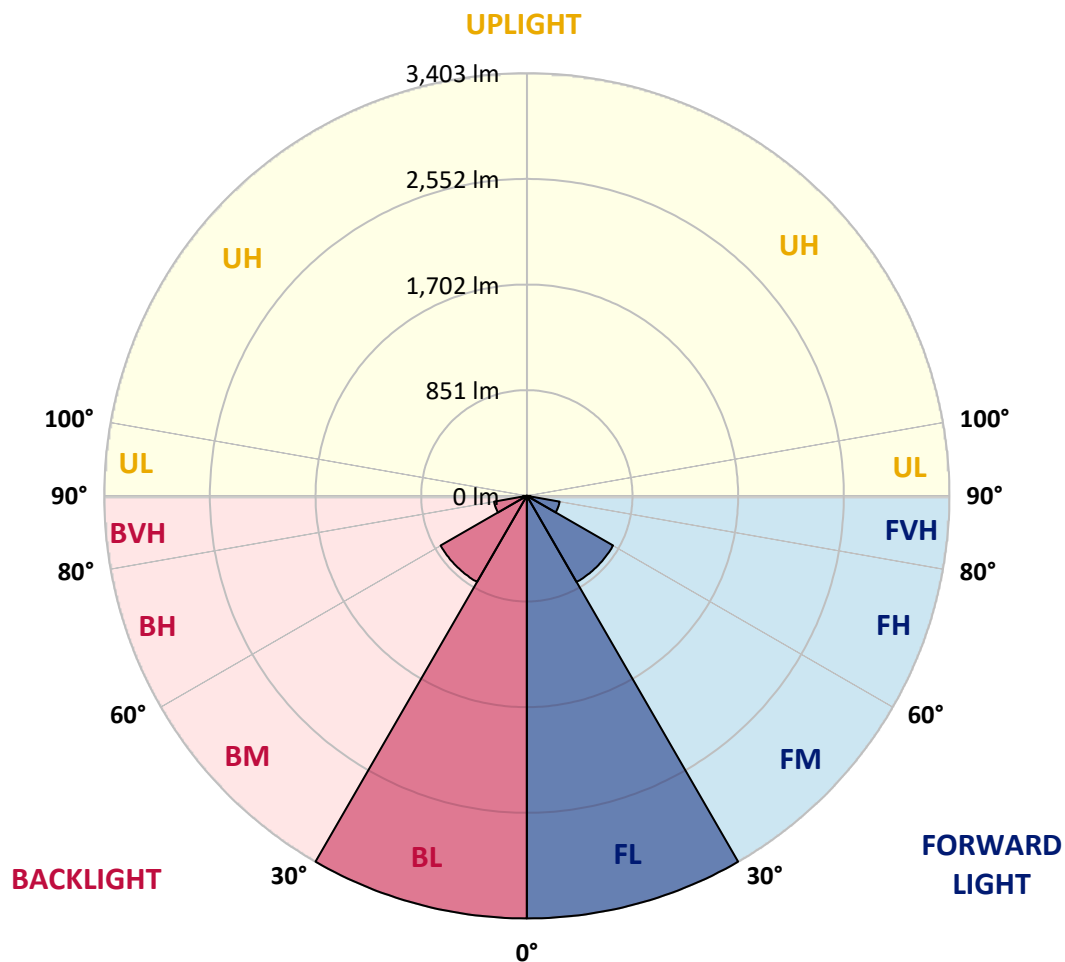
CATALOG NUMBER: IFLD-M-SA4A-935-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3403.3	37.8			
FM	(30°-60°)	801.7	8.9			
FH	(60°-80°)	267.9	3.0			G0/660
FVH	(80°-90°)	29.3	0.3			G1/100
BL	(0°-30°)	3403.3	37.8	B4/5000		
BM	(30°-60°)	801.7	8.9	B1/1000		
BH	(60°-80°)	267.9	3.0	B1/500		G0/660
BVH	(80°-90°)	29.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



REPORT NUMBER: P635911

CATALOG NUMBER: IFLD-M-SA4A-935-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	211499.1	211499.1	211499.1	211499.1	211499.1	211499.1	211499.1	211499.1	211499.1	211499.1
1°	204409.9	202311.8	203391.0	204422.4	205868.9	206506.0	207155.5	207641.1	207632.8	208433.9
2°	184887.9	181507.3	183074.1	184995.8	188712.6	189779.3	191561.9	193768.0	193902.9	195899.3
3°	155838.2	151092.1	153399.8	156821.9	162983.4	164577.2	167434.9	169452.0	168551.4	170888.1
4°	119585.4	113392.8	116918.6	121984.4	127981.9	134066.6	134187.0	135633.4	132663.7	132520.5
5°	80680.3	75220.2	79744.3	86080.1	91262.1	95514.3	98133.3	98313.8	95103.4	94810.8
6°	49206.7	45593.7	49530.5	56235.7	63414.0	65182.2	65582.7	64673.7	60463.0	58132.5
7°	27196.4	25723.0	29570.5	33571.6	39168.6	41756.5	39965.5	37060.2	35771.4	32996.8
8°	14998.0	14271.6	15369.4	18826.8	23170.4	24870.0	23141.3	20123.9	17951.1	17183.2
9°	9042.0	8639.3	9087.6	10403.3	12279.4	13458.1	12468.2	10982.3	10065.1	9809.8
10°	6005.8	5848.1	6039.0	6483.1	7157.6	7502.1	7255.1	6665.8	6387.7	6371.1
12.5°	3152.3	3123.3	3171.0	3220.8	3337.0	3355.7	3312.1	3270.6	3206.3	3231.2
15°	2029.6	2002.6	2052.4	2116.8	2145.8	2164.5	2166.6	2143.8	2100.2	2079.4
17.5°	1479.7	1485.9	1490.0	1527.4	1583.4	1627.0	1608.3	1583.4	1533.6	1508.7
20°	1218.2	1220.3	1228.6	1249.3	1268.0	1328.2	1309.5	1272.1	1224.4	1205.7
22.5°	1041.8	1045.9	1050.1	1062.5	1066.7	1083.3	1085.4	1052.2	1025.2	1014.8
25°	917.3	917.3	923.5	933.9	938.0	925.6	927.6	913.1	888.2	875.8
27.5°	778.2	782.4	788.6	792.8	784.5	769.9	751.2	763.7	751.2	722.2
30°	693.1	697.3	716.0	703.5	684.8	666.2	655.8	672.4	674.5	649.6
32.5°	686.9	689.0	695.2	689.0	666.2	643.3	628.8	647.5	651.6	641.3
35°	718.0	711.8	720.1	724.3	701.4	676.5	657.9	674.5	686.9	691.1
37.5°	869.5	834.3	807.3	799.0	784.5	767.8	742.9	747.1	769.9	790.7
40°	828.0	819.7	809.4	782.4	755.4	776.2	747.1	738.8	790.7	794.8
42.5°	821.8	828.0	819.7	786.5	759.5	780.3	774.1	749.2	801.1	794.8
45°	826.0	832.2	850.9	794.8	772.0	782.4	794.8	767.8	819.7	799.0
47.5°	792.8	801.1	821.8	790.7	776.2	774.1	792.8	767.8	794.8	792.8
50°	749.2	757.5	763.7	736.7	763.7	749.2	751.2	740.9	740.9	745.0
52.5°	693.1	701.4	707.7	676.5	693.1	699.4	674.5	672.4	653.7	659.9
55°	624.7	637.1	643.3	630.9	622.6	635.0	599.8	595.6	558.2	560.3
57.5°	545.8	558.2	564.5	579.0	572.8	547.9	527.1	510.5	469.0	452.4
60°	562.4	574.8	562.4	520.9	520.9	464.9	446.2	410.9	369.4	348.6
62.5°	543.7	560.3	558.2	514.7	462.8	392.2	359.0	321.7	280.2	253.2
65°	512.6	529.2	520.9	491.8	442.0	336.2	286.4	249.0	197.2	190.9
67.5°	460.7	485.6	469.0	450.3	410.9	305.1	228.3	186.8	143.2	143.2
70°	381.8	400.5	410.9	390.2	367.3	286.4	195.1	143.2	103.8	78.9
72.5°	307.1	323.7	340.3	330.0	309.2	259.4	174.3	114.1	74.7	45.7
75°	170.2	176.4	182.6	207.5	236.6	211.7	159.8	99.6	62.3	35.3
77.5°	130.7	137.0	151.5	139.0	128.7	163.9	174.3	116.2	54.0	24.9
80°	101.7	110.0	155.6	128.7	110.0	124.5	149.4	101.7	35.3	12.5
82.5°	76.8	83.0	110.0	122.4	116.2	93.4	80.9	68.5	31.1	8.3
85°	56.0	64.3	76.8	68.5	66.4	66.4	89.2	60.2	22.8	6.2
87.5°	33.2	33.2	35.3	33.2	31.1	31.1	35.3	29.1	14.5	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

211499.1

206823.5
194135.3
168389.5
131889.6
93625.8
58335.8
31693.5
16485.9
9463.2
6173.9
3137.8
2046.2
1481.7
1185.0
1002.4
865.4
724.3
641.3
635.0
691.1
809.4
801.1
790.7
792.8
788.6
730.5
649.6
545.8
442.0
332.0
249.0
190.9
126.6
70.6
43.6
31.1
12.5
8.3
6.2
4.2
4.2
0.0

OF REPORT)