

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: P635903

Luminaire Tested: **IFLD-S-SA3C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635903
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10328.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160.8
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



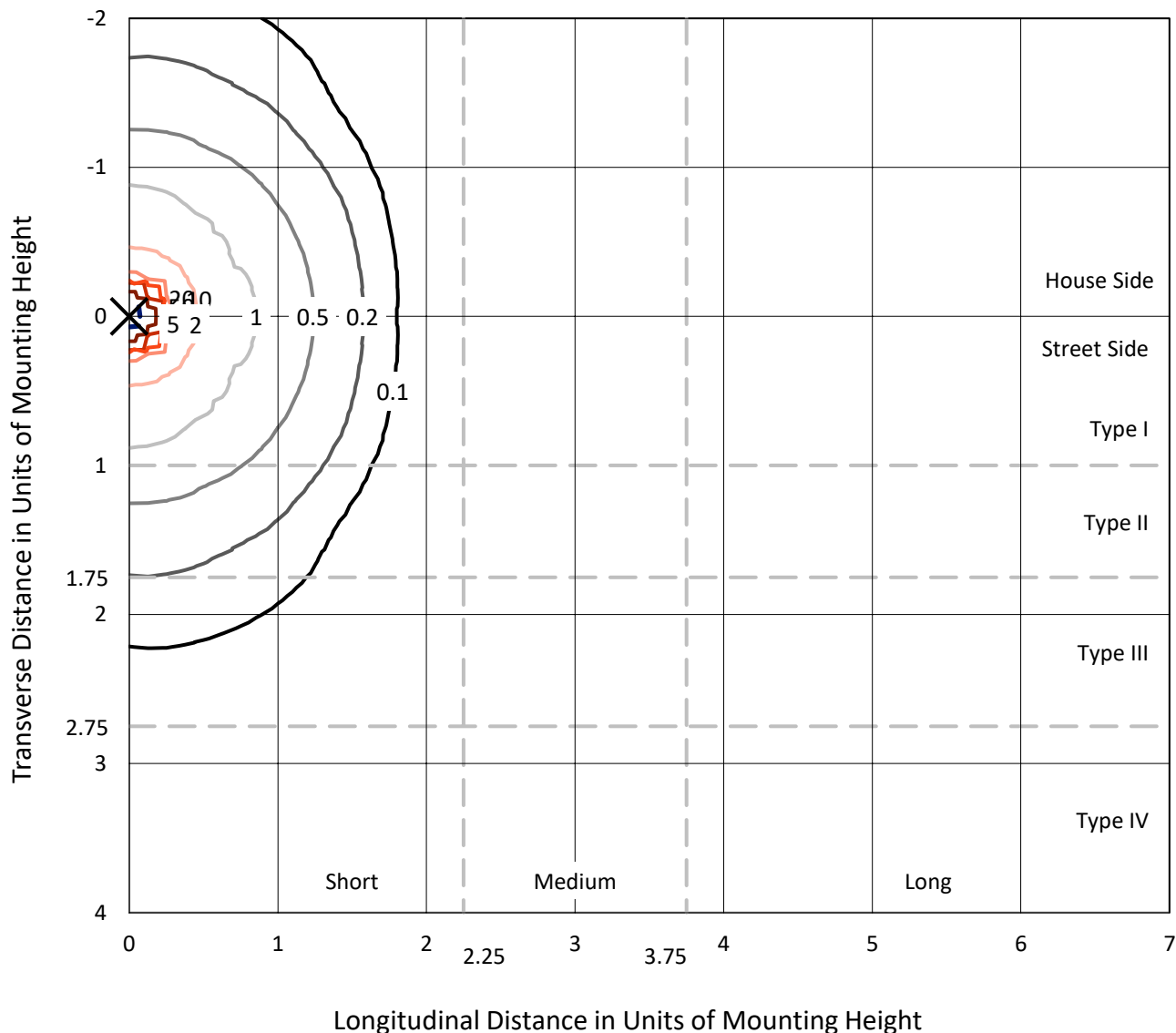
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

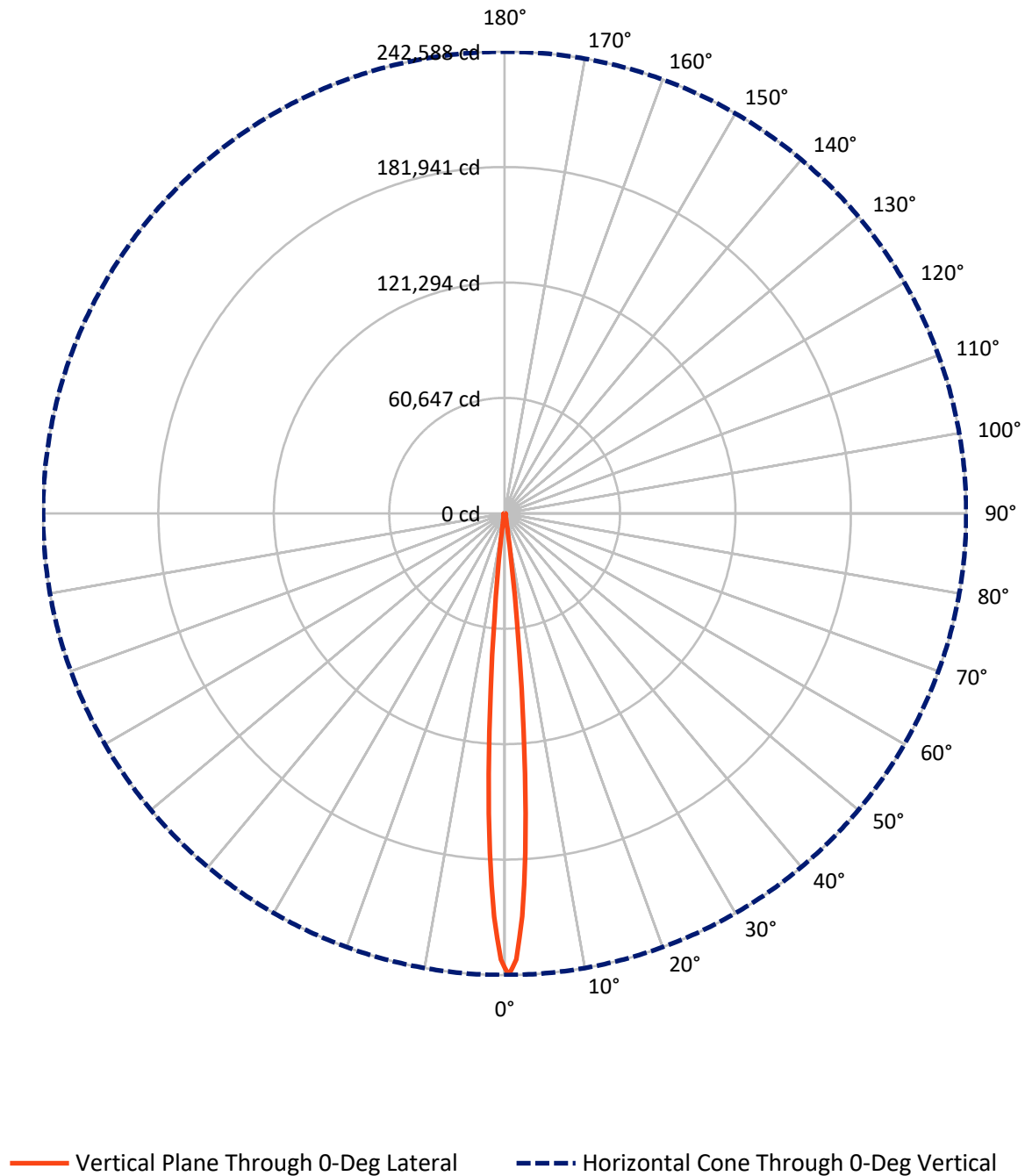


Based on 20 foot mounting height. Maximum calculated value = 606.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5164.1	0.0	5164.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5164.1	0.0	5164.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10328.1	0.0	10328.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6518.9	63.1
10°-20°	805.7	7.8
20°-30°	482.7	4.7
30°-40°	519.0	5.0
40°-50°	697.9	6.8
50°-60°	622.1	6.0
60°-70°	410.9	4.0
70°-80°	203.7	2.0
80°-90°	67.3	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°	10328.1	100.0
0°-180°	10328.1	100.0

Coefficient of Utilization



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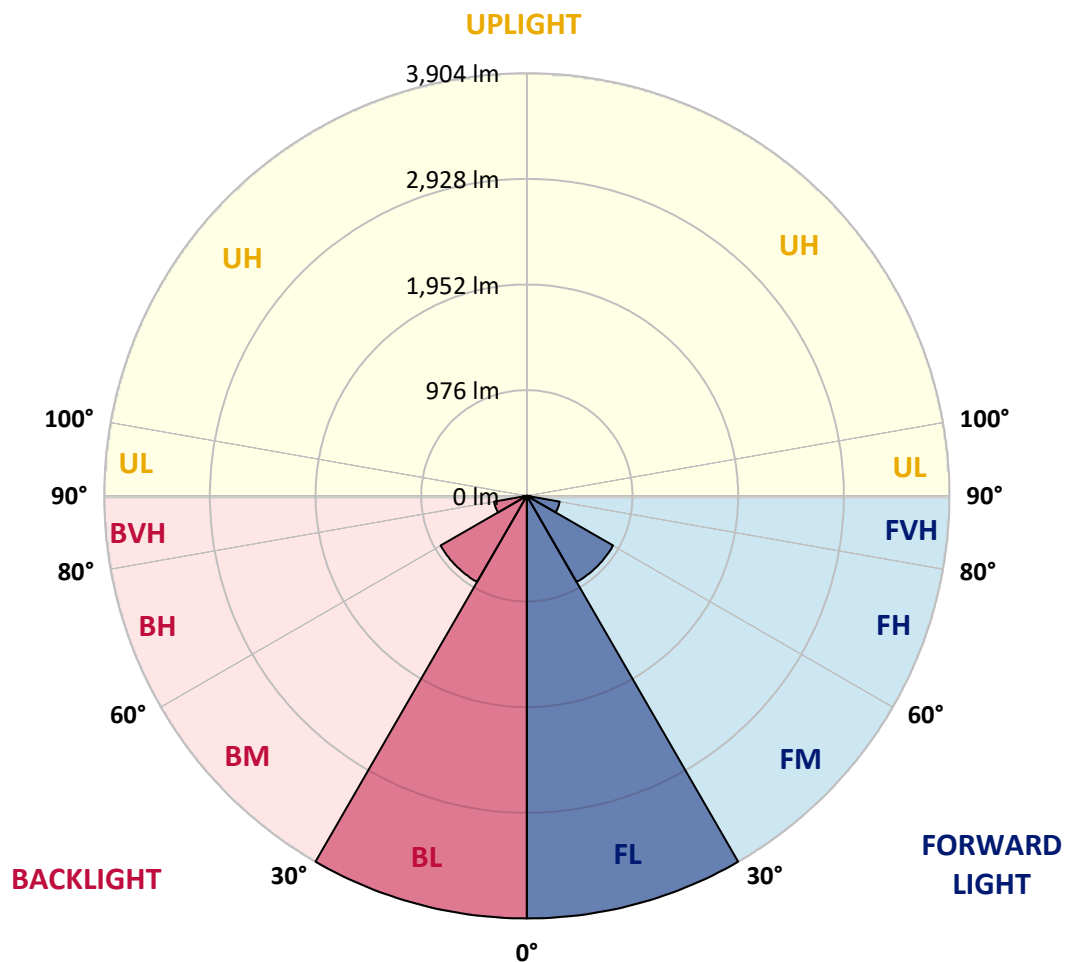
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3903.6	37.8			
FM	(30°-60°)	919.5	8.9			
FH	(60°-80°)	307.3	3.0			G0/660
FVH	(80°-90°)	33.6	0.3			G1/100
BL	(0°-30°)	3903.6	37.8	B4/5000		
BM	(30°-60°)	919.5	8.9	B1/1000		
BH	(60°-80°)	307.3	3.0	B1/500		G0/660
BVH	(80°-90°)	33.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	242588.4	242588.4	242588.4	242588.4	242588.4	242588.4	242588.4	242588.4	242588.4	242588.4
1°	234457.2	232050.7	233288.5	234471.5	236130.6	236861.3	237606.4	238163.4	238153.8	239072.6
2°	212065.5	208187.9	209985.1	212189.3	216452.4	217675.9	219720.6	222250.9	222405.6	224695.5
3°	178745.7	173301.9	175948.8	179874.0	186941.2	188769.3	192047.0	194360.6	193327.6	196007.8
4°	137163.8	130060.9	134105.1	139915.5	146794.6	153773.7	153911.8	155570.9	152164.6	152000.4
5°	92539.9	86277.2	91466.3	98733.5	104677.1	109554.4	112558.4	112765.5	109083.1	108747.5
6°	56439.9	52295.7	56811.2	64502.0	72735.6	74763.6	75223.0	74180.4	69350.8	66677.6
7°	31194.2	29504.1	33917.2	38506.5	44926.2	47894.5	45840.3	42507.8	41029.7	37847.2
8°	17202.6	16369.5	17628.7	21594.3	26576.3	28525.8	26543.0	23082.0	20589.8	19709.1
9°	10371.1	9909.3	10423.4	11932.6	14084.4	15436.4	14301.0	12596.7	11544.6	11251.8
10°	6888.7	6707.8	6926.7	7436.1	8209.7	8604.9	8321.6	7645.6	7326.6	7307.6
12.5°	3615.7	3582.4	3637.1	3694.3	3827.6	3849.0	3799.0	3751.4	3677.6	3706.2
15°	2328.0	2297.0	2354.1	2427.9	2461.3	2482.7	2485.1	2458.9	2408.9	2385.1
17.5°	1697.2	1704.3	1709.1	1751.9	1816.2	1866.2	1844.8	1816.2	1759.1	1730.5
20°	1397.3	1399.6	1409.2	1433.0	1454.4	1523.4	1502.0	1459.1	1404.4	1383.0
22.5°	1194.9	1199.7	1204.4	1218.7	1223.5	1242.5	1244.9	1206.8	1175.9	1164.0
25°	1052.1	1052.1	1059.2	1071.1	1075.9	1061.6	1064.0	1047.3	1018.8	1004.5
27.5°	892.6	897.4	904.5	909.3	899.8	883.1	861.7	876.0	861.7	828.4
30°	795.0	799.8	821.2	806.9	785.5	764.1	752.2	771.2	773.6	745.0
32.5°	787.9	790.3	797.4	790.3	764.1	737.9	721.2	742.7	747.4	735.5
35°	823.6	816.5	826.0	830.7	804.5	776.0	754.6	773.6	787.9	792.6
37.5°	997.4	956.9	925.9	916.4	899.8	880.7	852.2	856.9	883.1	906.9
40°	949.7	940.2	928.3	897.4	866.4	890.2	856.9	847.4	906.9	911.7
42.5°	942.6	949.7	940.2	902.1	871.2	895.0	887.9	859.3	918.8	911.7
45°	947.4	954.5	975.9	911.7	885.5	897.4	911.7	880.7	940.2	916.4
47.5°	909.3	918.8	942.6	906.9	890.2	887.9	909.3	880.7	911.7	909.3
50°	859.3	868.8	876.0	845.0	876.0	859.3	861.7	849.8	849.8	854.5
52.5°	795.0	804.5	811.7	776.0	795.0	802.2	773.6	771.2	749.8	756.9
55°	716.5	730.8	737.9	723.6	714.1	728.4	687.9	683.2	640.3	642.7
57.5°	626.0	640.3	647.4	664.1	657.0	628.4	604.6	585.6	538.0	518.9
60°	645.1	659.3	645.1	597.5	597.5	533.2	511.8	471.3	423.7	399.9
62.5°	623.6	642.7	640.3	590.3	530.8	449.9	411.8	369.0	321.3	290.4
65°	587.9	607.0	597.5	564.1	507.0	385.6	328.5	285.6	226.1	219.0
67.5°	528.4	557.0	538.0	516.5	471.3	349.9	261.8	214.2	164.2	164.2
70°	438.0	459.4	471.3	447.5	421.3	328.5	223.8	164.2	119.0	90.5
72.5°	352.3	371.3	390.4	378.5	354.7	297.5	199.9	130.9	85.7	52.4
75°	195.2	202.3	209.5	238.0	271.4	242.8	183.3	114.3	71.4	40.5
77.5°	150.0	157.1	173.8	159.5	147.6	188.0	199.9	133.3	61.9	28.6
80°	116.6	126.2	178.5	147.6	126.2	142.8	171.4	116.6	40.5	14.3
82.5°	88.1	95.2	126.2	140.4	133.3	107.1	92.8	78.6	35.7	9.5
85°	64.3	73.8	88.1	78.6	76.2	76.2	102.4	69.0	26.2	7.1
87.5°	38.1	38.1	40.5	38.1	35.7	35.7	40.5	33.3	16.7	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
242588.4
237225.5
222672.2
193141.9
151276.8
107388.3
66910.9
36352.3
18909.3
10854.3
7081.5
3599.1
2347.0
1699.6
1359.2
1149.7
992.6
830.7
735.5
728.4
792.6
928.3
918.8
906.9
909.3
904.5
837.9
745.0
626.0
507.0
380.9
285.6
219.0
145.2
80.9
50.0
35.7
14.3
9.5
7.1
4.8
4.8
0.0

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