

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: P524334

Luminaire Tested: **IFLD-S-SA2A-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524334
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6064.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.8
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: 24 FT

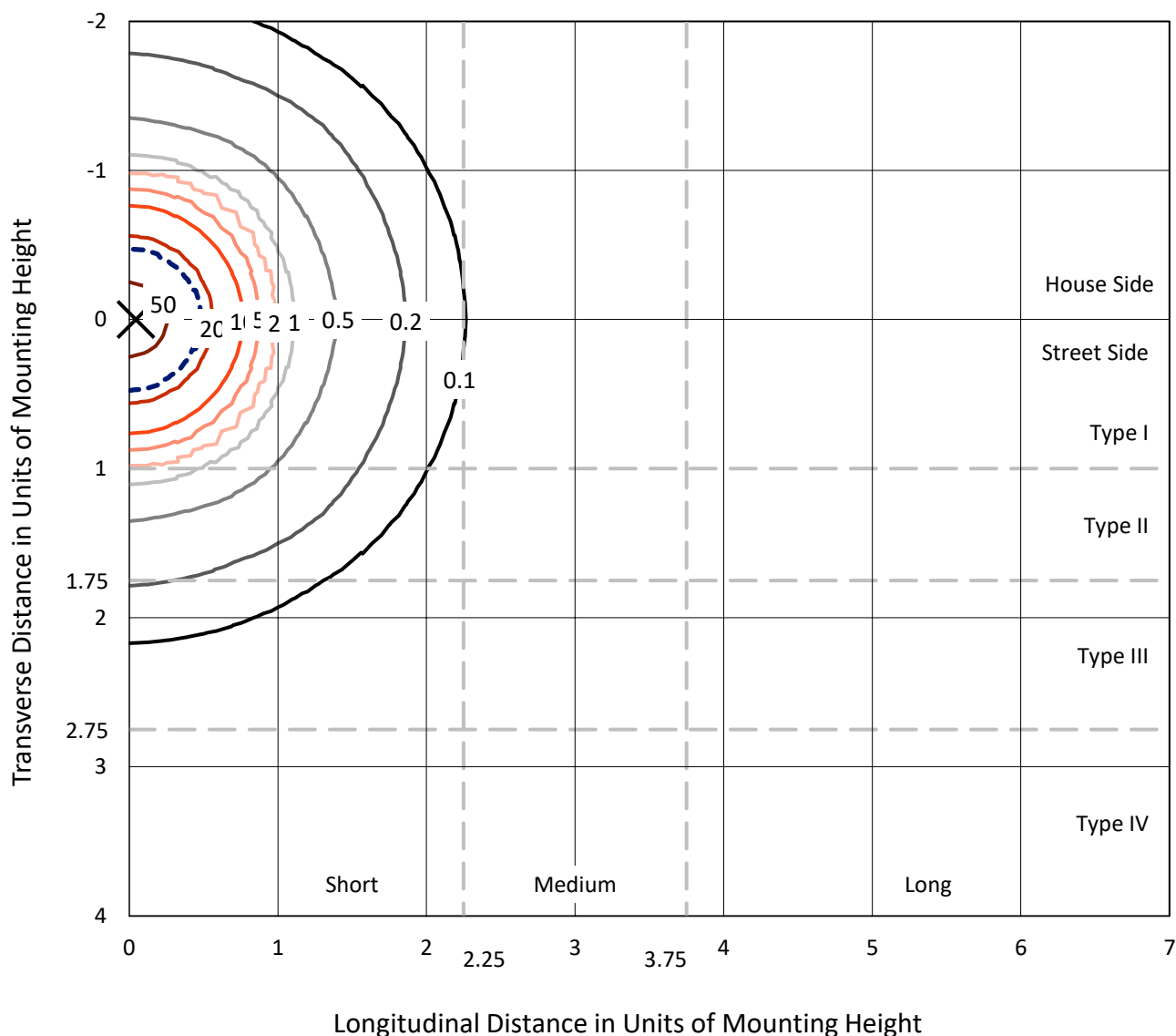
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

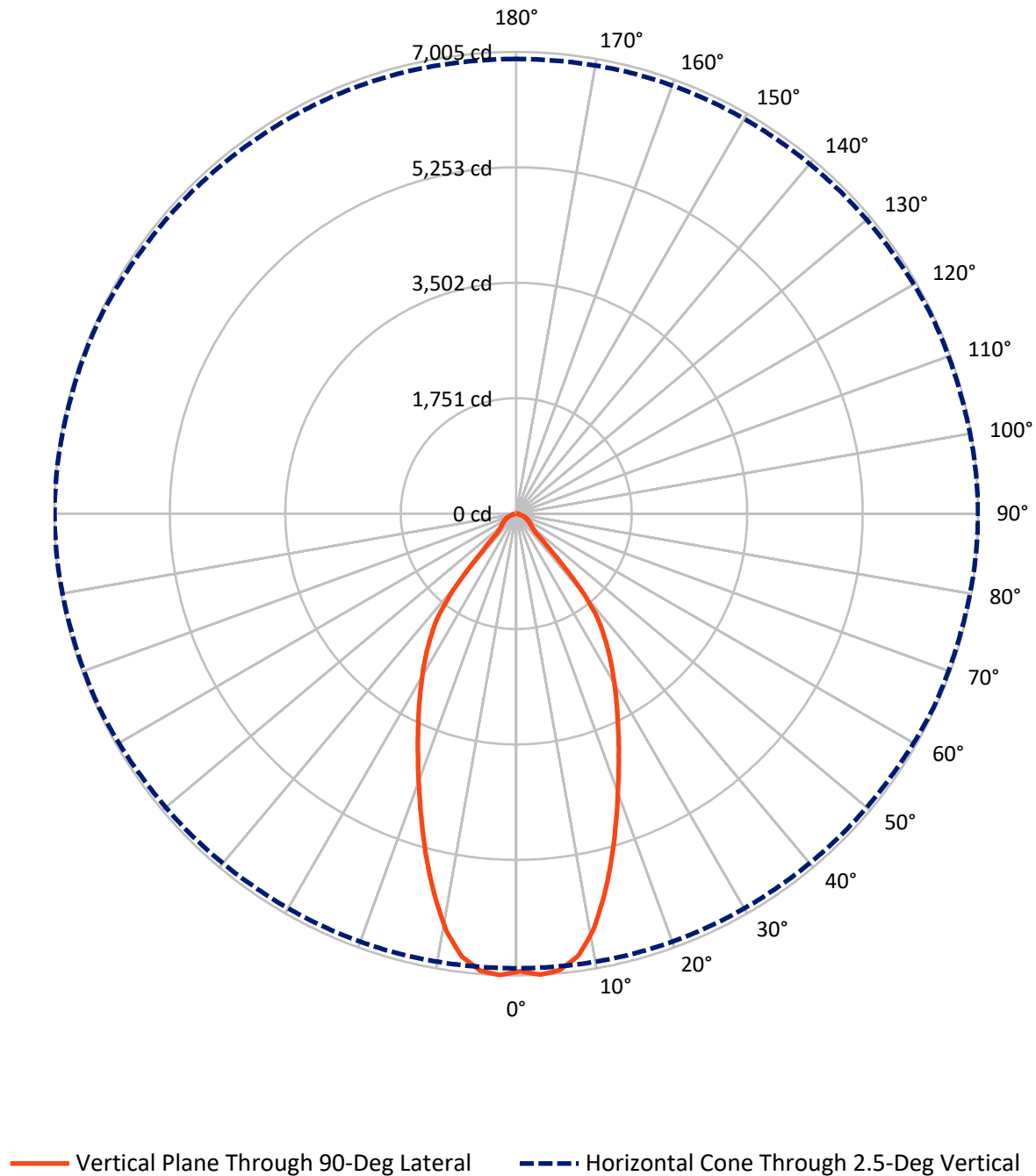


Based on 10 foot mounting height. Maximum calculated value = 69.4 fc

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	3032.3	0.0	3032.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3032.3	0.0	3032.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6064.6	0.0	6064.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.0	10.6
10°-20°	1477.3	24.4
20°-30°	1621.9	26.7
30°-40°	1406.3	23.2
40°-50°	462.8	7.6
50°-60°	207.5	3.4
60°-70°	146.7	2.4
70°-80°	79.6	1.3
80°-90°	22.6	0.4
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°	6064.6	100.0
0°-180°	6064.6	100.0

Coefficient of Utilization



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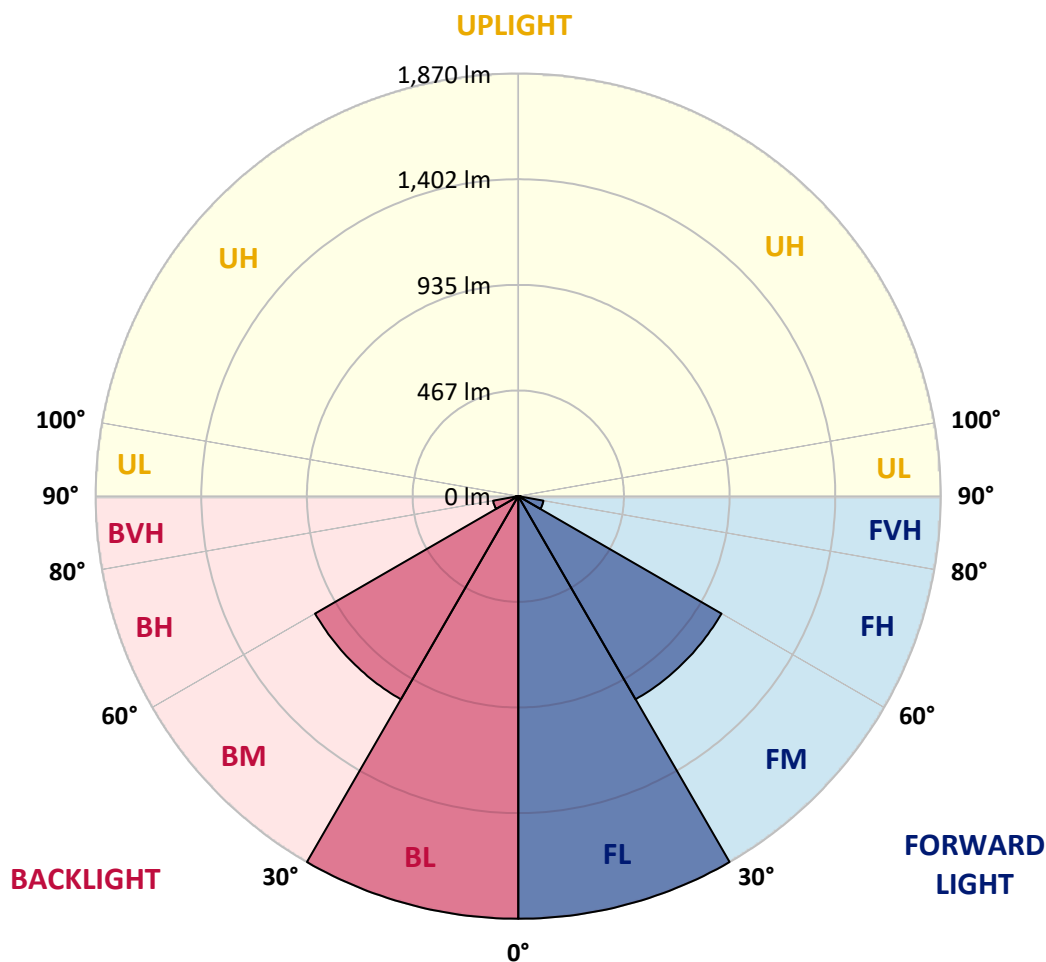
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1869.6	30.8			
FM	(30°-60°)	1038.3	17.1			
FH	(60°-80°)	113.1	1.9			G0/660
FVH	(80°-90°)	11.3	0.2			G1/100
BL	(0°-30°)	1869.6	30.8	B3/2500		
BM	(30°-60°)	1038.3	17.1	B2/2500		
BH	(60°-80°)	113.1	1.9	B1/500		G0/660
BVH	(80°-90°)	11.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6942.1	6942.1	6942.1	6942.1	6942.1	6942.1	6942.1	6942.1	6942.1	6942.1
2.5°	6898.9	6898.0	6909.0	6914.5	6917.3	6930.1	6943.0	6977.0	6977.9	6998.1
5°	6889.7	6881.4	6888.8	6877.8	6880.5	6880.5	6897.0	6921.9	6931.0	6951.3
7.5°	6684.8	6682.9	6678.4	6666.4	6681.1	6671.0	6701.3	6723.4	6744.5	6754.6
10°	6302.5	6285.1	6285.1	6268.5	6283.2	6269.5	6319.1	6339.3	6375.1	6396.3
12.5°	5808.2	5800.8	5801.8	5794.4	5793.5	5774.2	5832.1	5849.5	5881.7	5912.9
15°	5280.8	5269.7	5279.8	5279.8	5271.6	5254.1	5315.7	5339.6	5386.4	5401.1
17.5°	4759.8	4755.2	4761.6	4764.3	4757.9	4741.4	4801.1	4853.5	4885.6	4885.6
20°	4281.9	4280.1	4288.4	4280.1	4273.7	4262.6	4317.8	4368.3	4396.8	4398.6
22.5°	3862.0	3872.1	3864.8	3854.7	3840.9	3832.6	3883.1	3930.0	3949.3	3968.6
25°	3493.5	3496.3	3501.8	3486.2	3469.7	3459.5	3497.2	3536.7	3567.1	3578.1
27.5°	3190.3	3200.4	3186.6	3162.8	3153.6	3141.6	3168.3	3196.8	3218.8	3234.4
30°	2895.4	2900.9	2903.6	2878.8	2856.8	2839.3	2861.4	2886.2	2894.4	2908.2
32.5°	2612.4	2621.5	2630.7	2600.4	2584.8	2568.2	2579.3	2594.9	2599.5	2600.4
35°	2330.3	2323.8	2315.6	2304.5	2292.6	2272.4	2283.4	2288.9	2292.6	2292.6
37.5°	1989.4	1994.9	1996.7	1975.6	1970.1	1956.3	1963.6	1964.5	1971.9	1976.5
40°	1505.1	1524.4	1511.5	1498.7	1500.5	1484.0	1481.2	1477.5	1494.1	1500.5
42.5°	818.7	851.8	817.8	828.8	820.6	811.4	808.6	813.2	792.1	774.6
45°	411.7	409.8	417.2	417.2	424.5	427.3	420.8	415.3	412.6	405.2
47.5°	331.7	326.2	325.3	329.9	335.4	339.1	333.6	330.8	329.9	334.5
50°	284.9	276.6	273.8	280.3	284.9	288.5	283.9	283.9	283.0	290.4
52.5°	248.1	239.8	239.8	252.7	256.4	260.0	257.3	257.3	257.3	265.6
55°	219.6	213.2	205.8	222.4	234.3	238.0	236.1	235.2	236.1	245.3
57.5°	197.6	193.9	189.3	193.0	211.3	215.9	215.0	215.0	216.9	224.2
60°	176.4	174.6	172.7	172.7	187.4	195.7	194.8	194.8	196.6	201.2
62.5°	157.1	155.3	153.5	155.3	160.8	173.7	173.7	174.6	177.3	179.2
65°	137.8	136.9	136.9	137.8	139.7	149.8	153.5	156.2	159.0	159.9
67.5°	119.5	118.5	119.5	121.3	121.3	125.9	134.2	136.9	139.7	139.7
70°	96.5	101.1	103.8	104.8	106.6	107.5	114.9	120.4	123.1	119.5
72.5°	52.4	59.7	90.0	92.8	93.7	94.6	100.2	106.6	108.4	70.8
75°	37.7	37.7	75.3	79.9	80.9	80.9	85.5	91.9	93.7	54.2
77.5°	24.8	23.9	52.4	57.9	66.2	53.3	69.8	77.2	79.0	45.0
80°	19.3	18.4	40.4	45.0	45.9	36.8	57.0	62.5	63.4	36.8
82.5°	14.7	13.8	29.4	33.1	35.8	23.9	40.4	47.8	49.6	32.2
85°	8.3	8.3	14.7	13.8	21.1	15.6	23.0	23.9	32.2	20.2
87.5°	2.8	3.7	6.4	6.4	7.4	6.4	9.2	9.2	10.1	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6942.1
7004.6
6954.9
6771.2
6419.2
5934.1
5421.3
4897.6
4408.7
3979.6
3585.4
3239.0
2911.0
2611.4
2303.6
1995.8
1508.8
782.9
411.7
338.1
299.6
274.7
250.9
229.7
204.9
181.9
161.7
139.7
105.7
60.6
53.3
44.1
33.1
33.1
19.3
5.5
0.0