

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: P524326

Luminaire Tested: **IFLD-L-SA7B-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524326
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22548.2 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

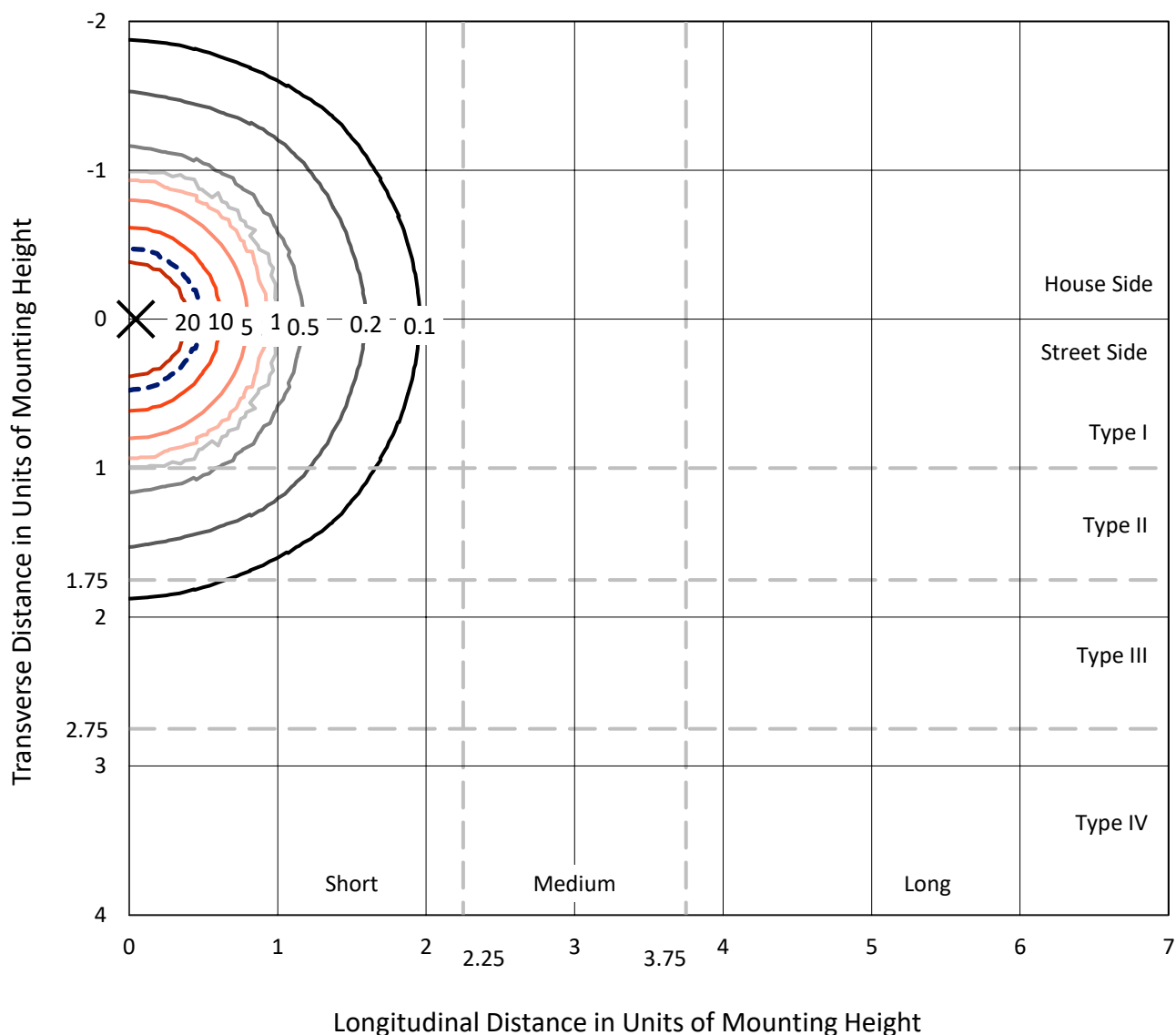
REPORT NUMBER: P524326

CATALOG NUMBER: IFLD-L-SA7B-930-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

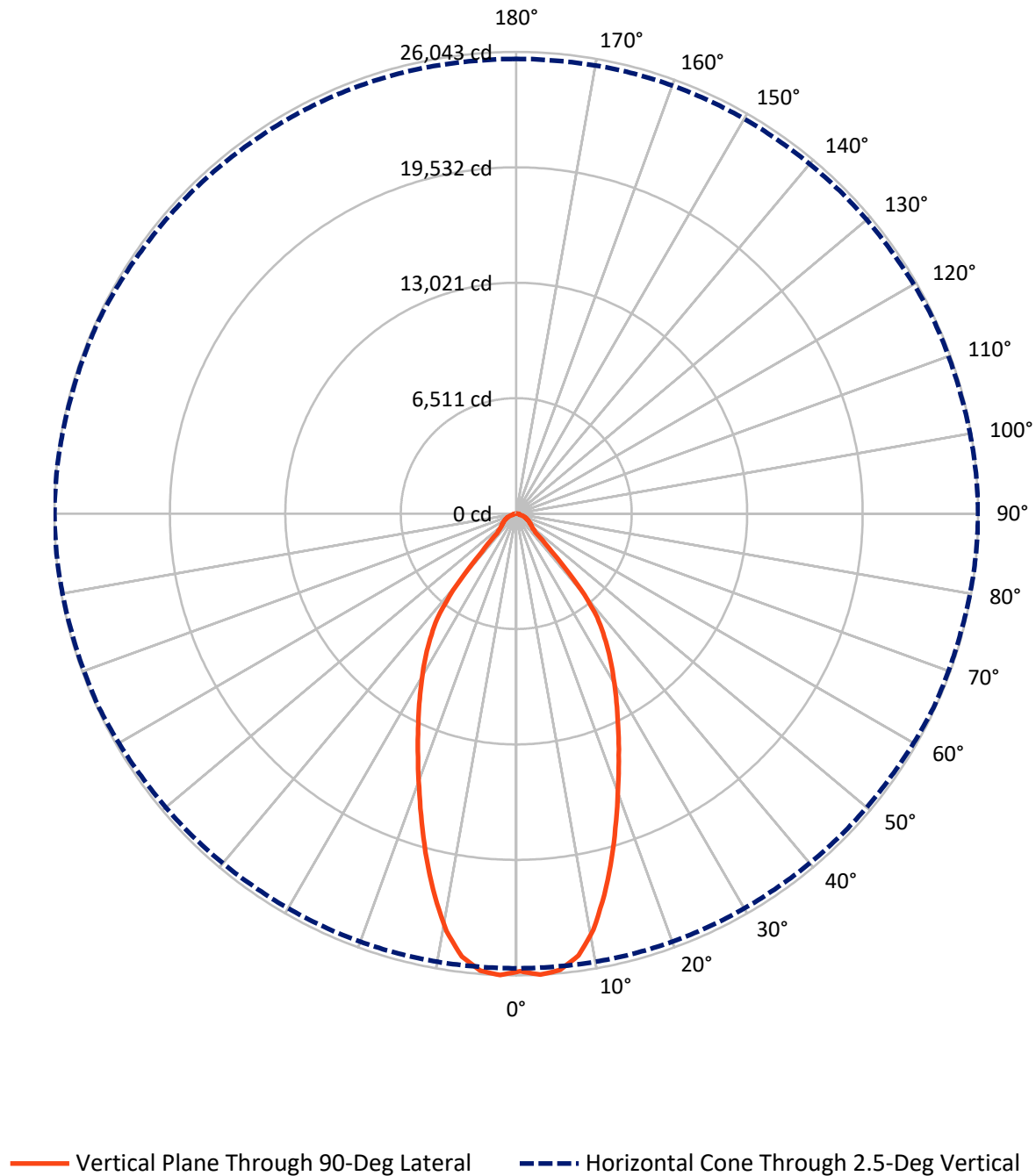


Based on 25 foot mounting height. Maximum calculated value = 41.3 fc

Type V - Short - N/A

REPORT NUMBER: P524326
CATALOG NUMBER: IFLD-L-SA7B-930-U-55

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11274.1	0.0	11274.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11274.1	0.0	11274.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22548.2	0.0	22548.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2379.4	10.6
10°-20°	5492.6	24.4
20°-30°	6030.4	26.7
30°-40°	5228.8	23.2
40°-50°	1720.5	7.6
50°-60°	771.4	3.4
60°-70°	545.2	2.4
70°-80°	296.0	1.3
80°-90°	84.0	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°	22548.2	100.0
0°-180°	22548.2	100.0

Coefficient of Utilization



REPORT NUMBER: P524326

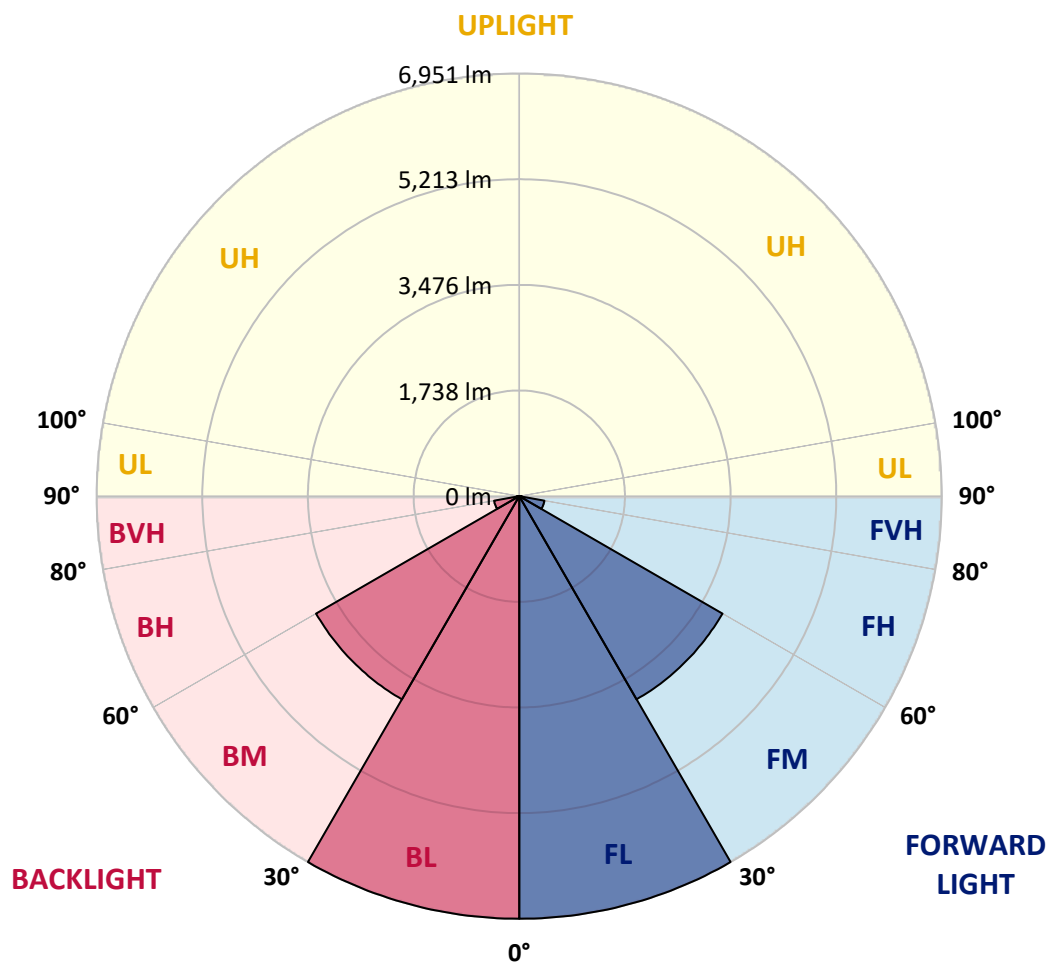
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6951.2	30.8			
FM	(30°-60°)	3860.3	17.1			
FH	(60°-80°)	420.6	1.9			G0/660
FVH	(80°-90°)	42.0	0.2			G1/100
BL	(0°-30°)	6951.2	30.8	B5		
BM	(30°-60°)	3860.3	17.1	B3/5000		
BH	(60°-80°)	420.6	1.9	B1/500		G0/660
BVH	(80°-90°)	42.0	0.2			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°	25810.6	25810.6	25810.6	25810.6	25810.6	25810.6	25810.6	25810.6	25810.6	25810.6
2.5°	25650.1	25646.6	25687.6	25708.1	25718.4	25766.2	25814.1	25940.5	25943.9	26019.0
5°	25615.9	25585.2	25612.5	25571.5	25581.7	25581.7	25643.2	25735.5	25769.6	25844.8
7.5°	24854.1	24847.2	24830.1	24785.7	24840.4	24802.8	24915.5	24997.5	25076.1	25113.7
10°	23432.8	23367.9	23367.9	23306.4	23361.1	23309.9	23494.3	23569.5	23702.7	23781.3
12.5°	21594.8	21567.5	21570.9	21543.6	21540.2	21468.4	21683.7	21748.6	21868.2	21984.3
15°	19633.8	19592.9	19630.4	19630.4	19599.7	19534.8	19763.7	19852.5	20026.7	20081.4
17.5°	17696.8	17679.7	17703.6	17713.9	17689.9	17628.4	17850.5	18045.2	18164.8	18164.8
20°	15920.3	15913.4	15944.2	15913.4	15889.5	15848.5	16053.5	16241.4	16347.3	16354.1
22.5°	14359.0	14396.6	14369.2	14331.6	14280.4	14249.7	14437.6	14611.8	14683.5	14755.3
25°	12989.0	12999.3	13019.8	12961.7	12900.2	12862.6	13002.7	13149.6	13262.3	13303.3
27.5°	11861.6	11899.2	11848.0	11759.1	11725.0	11680.6	11779.6	11885.5	11967.5	12025.6
30°	10765.0	10785.5	10795.7	10703.5	10621.5	10556.6	10638.6	10730.8	10761.5	10812.8
32.5°	9712.7	9746.9	9781.1	9668.3	9610.2	9548.7	9589.7	9647.8	9664.9	9668.3
35°	8663.9	8640.0	8609.2	8568.2	8523.8	8448.7	8489.7	8510.2	8523.8	8523.8
37.5°	7396.4	7416.9	7423.8	7345.2	7324.7	7273.4	7300.8	7304.2	7331.5	7348.6
40°	5596.0	5667.7	5619.9	5572.1	5578.9	5517.4	5507.2	5493.5	5555.0	5578.9
42.5°	3044.0	3167.0	3040.6	3081.6	3050.8	3016.6	3006.4	3023.5	2944.9	2880.0
45°	1530.5	1523.7	1551.0	1551.0	1578.4	1588.6	1564.7	1544.2	1533.9	1506.6
47.5°	1233.3	1212.8	1209.4	1226.5	1247.0	1260.6	1240.1	1229.9	1226.5	1243.6
50°	1059.1	1028.3	1018.1	1042.0	1059.1	1072.7	1055.7	1055.7	1052.2	1079.6
52.5°	922.4	891.7	891.7	939.5	953.2	966.8	956.6	956.6	956.6	987.3
55°	816.5	792.6	765.3	826.8	871.2	884.8	878.0	874.6	878.0	912.2
57.5°	734.5	720.9	703.8	717.4	785.8	802.8	799.4	799.4	806.3	833.6
60°	655.9	649.1	642.3	642.3	696.9	727.7	724.3	724.3	731.1	748.2
62.5°	584.2	577.4	570.5	577.4	597.9	645.7	645.7	649.1	659.4	666.2
65°	512.5	509.0	509.0	512.5	519.3	556.9	570.5	580.8	591.0	594.4
67.5°	444.1	440.7	444.1	451.0	451.0	468.0	498.8	509.0	519.3	519.3
70°	358.7	375.8	386.0	389.5	396.3	399.7	427.0	447.5	457.8	444.1
72.5°	194.7	222.1	334.8	345.1	348.5	351.9	372.4	396.3	403.1	263.1
75°	140.1	140.1	280.1	297.2	300.6	300.6	317.7	341.6	348.5	201.6
77.5°	92.2	88.8	194.7	215.2	246.0	198.1	259.6	287.0	293.8	167.4
80°	71.7	68.3	150.3	167.4	170.8	136.7	211.8	232.3	235.7	136.7
82.5°	54.7	51.2	109.3	123.0	133.2	88.8	150.3	177.7	184.5	119.6
85°	30.7	30.7	54.7	51.2	78.6	58.1	85.4	88.8	119.6	75.2
87.5°	10.2	13.7	23.9	23.9	27.3	23.9	34.2	34.2	37.6	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25810.6
26042.9
25858.5
25175.2
23866.7
22062.9
20156.6
18209.2
16391.7
14796.3
13330.7
12042.7
10823.0
9709.3
8564.8
7420.3
5609.7
2910.7
1530.5
1257.2
1113.7
1021.5
932.7
854.1
761.8
676.4
601.3
519.3
392.9
225.5
198.1
164.0
123.0
123.0
71.7
20.5
0.0