

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: P524367

Luminaire Tested: **IFLD-L-SA7D-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524367
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32042.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

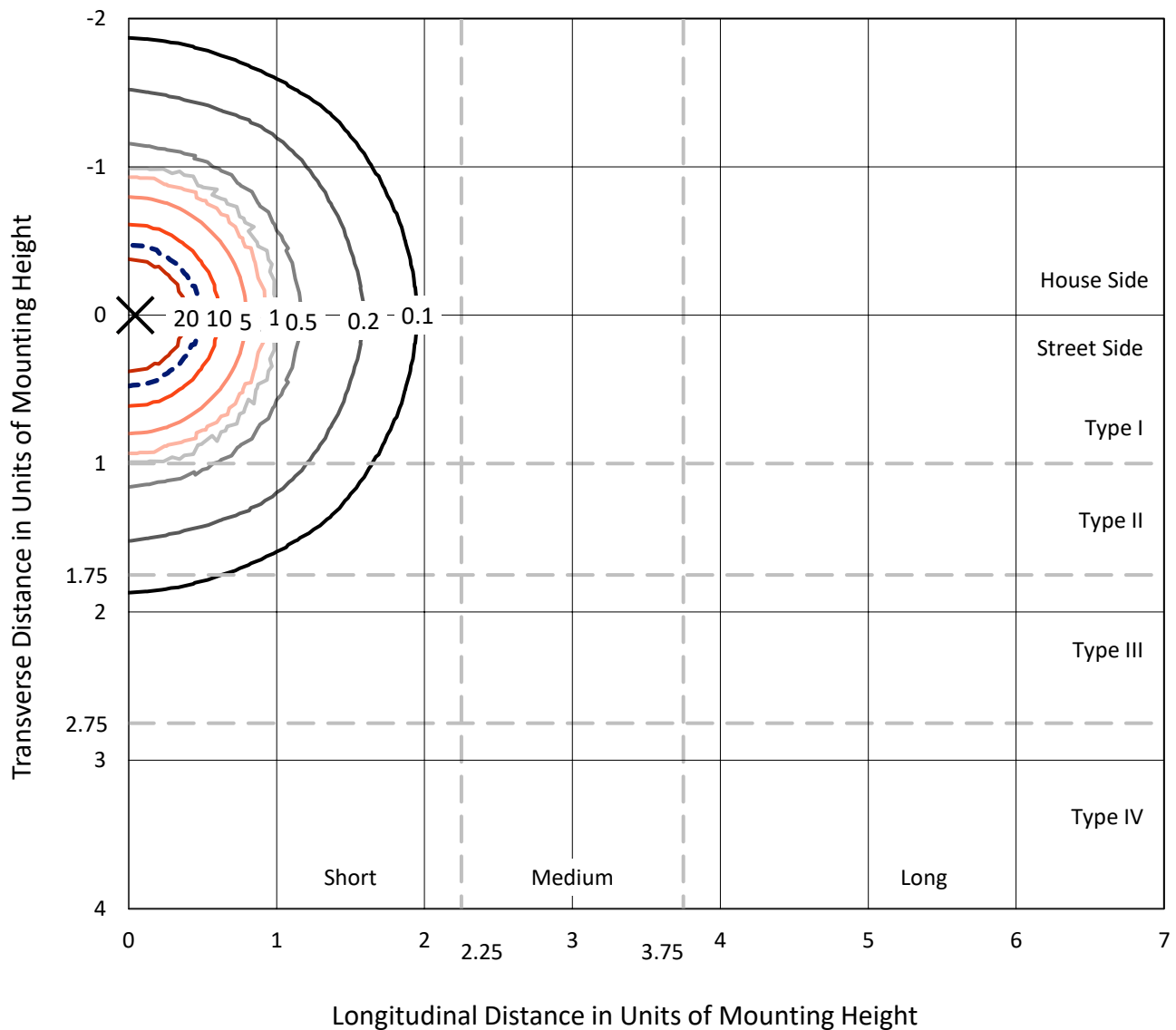
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

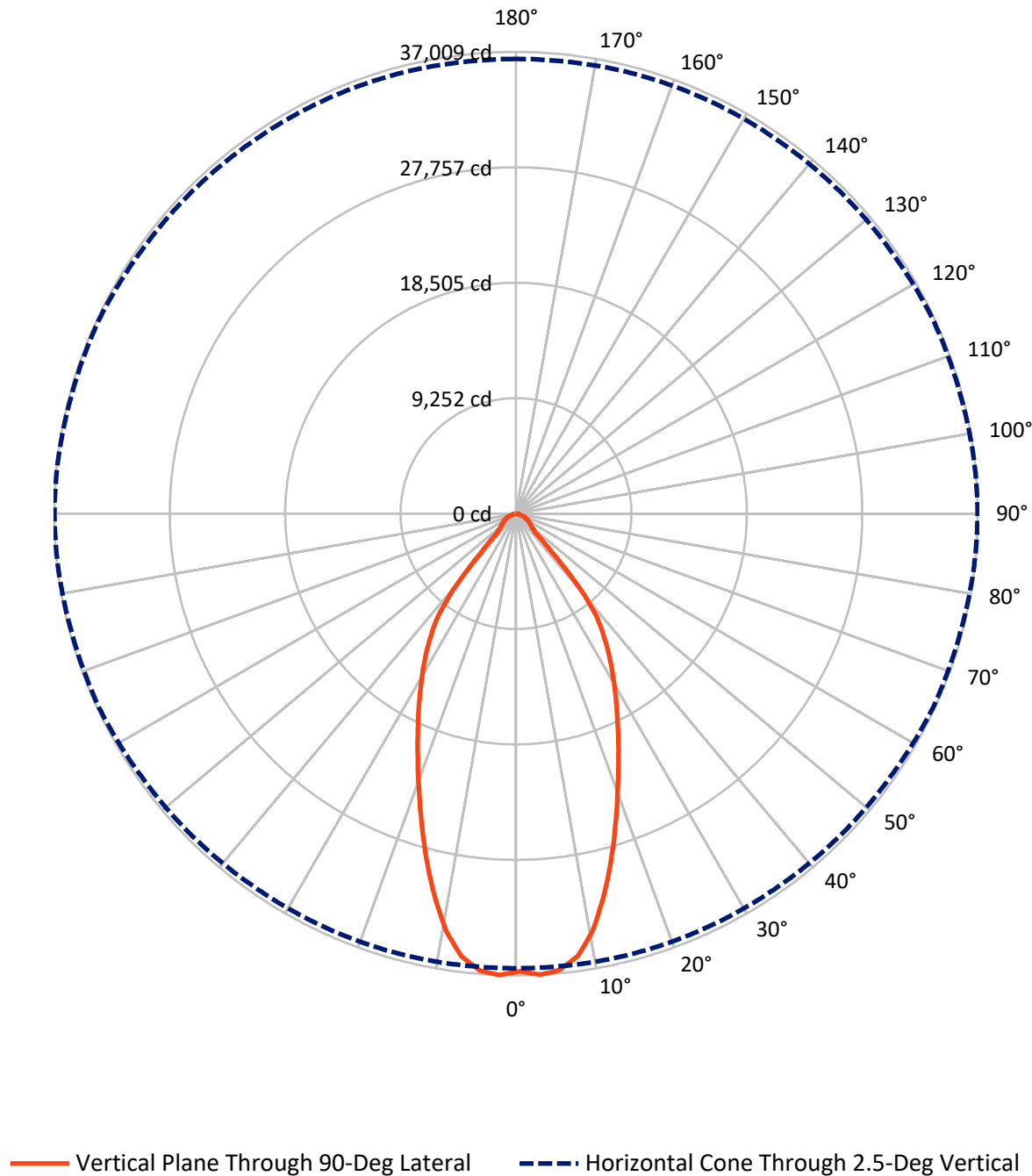


Based on 30 foot mounting height. Maximum calculated value = 40.8 fc

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	16021.4	0.0	16021.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16021.4	0.0	16021.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	32042.7	0.0	32042.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3381.3	10.6
10°-20°	7805.4	24.4
20°-30°	8569.6	26.7
30°-40°	7430.5	23.2
40°-50°	2444.9	7.6
50°-60°	1096.2	3.4
60°-70°	774.8	2.4
70°-80°	420.7	1.3
80°-90°	119.3	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°	32042.7	100.0
0°-180°	32042.7	100.0

Coefficient of Utilization



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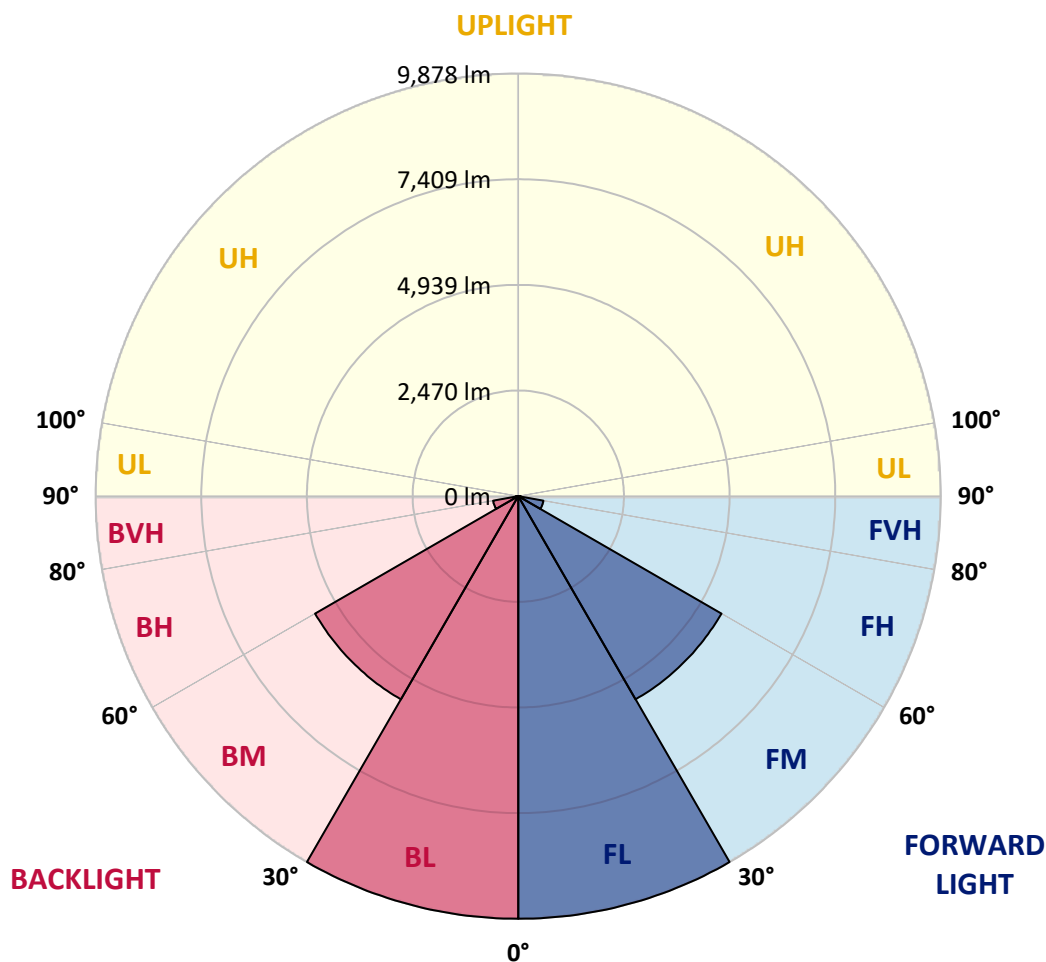
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9878.1	30.8			
FM	(30°-60°)	5485.8	17.1			
FH	(60°-80°)	597.8	1.9			G0/660
FVH	(80°-90°)	59.7	0.2			G1/100
BL	(0°-30°)	9878.1	30.8	B5		
BM	(30°-60°)	5485.8	17.1	B4/8500		
BH	(60°-80°)	597.8	1.9	B2/1000		G0/660
BVH	(80°-90°)	59.7	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°	36678.9	36678.9	36678.9	36678.9	36678.9	36678.9	36678.9	36678.9	36678.9	36678.9
2.5°	36450.7	36445.9	36504.1	36533.3	36547.8	36615.8	36683.8	36863.4	36868.3	36975.1
5°	36402.2	36358.5	36397.3	36339.1	36353.6	36353.6	36441.0	36572.1	36620.7	36727.5
7.5°	35319.5	35309.8	35285.6	35222.4	35300.1	35246.7	35406.9	35523.4	35635.1	35688.5
10°	33299.9	33207.6	33207.6	33120.3	33197.9	33125.1	33387.3	33494.1	33683.4	33795.1
12.5°	30687.9	30649.1	30654.0	30615.1	30610.3	30508.3	30814.2	30906.4	31076.3	31241.4
15°	27901.2	27843.0	27896.4	27896.4	27852.7	27760.4	28085.7	28211.9	28459.5	28537.2
17.5°	25148.5	25124.2	25158.2	25172.8	25138.8	25051.4	25367.0	25643.7	25813.6	25813.6
20°	22623.9	22614.2	22657.9	22614.2	22580.2	22522.0	22813.3	23080.3	23230.8	23240.5
22.5°	20405.2	20458.6	20419.8	20366.4	20293.6	20249.9	20516.9	20764.5	20866.4	20968.4
25°	18458.4	18473.0	18502.1	18419.6	18332.2	18278.8	18477.8	18686.6	18846.8	18905.1
27.5°	16856.3	16909.7	16836.9	16710.6	16662.1	16599.0	16739.8	16890.3	17006.8	17089.3
30°	15297.9	15327.0	15341.5	15210.5	15093.9	15001.7	15118.2	15249.3	15293.0	15365.8
32.5°	13802.5	13851.1	13899.6	13739.4	13656.9	13569.5	13627.8	13710.3	13734.6	13739.4
35°	12312.1	12278.1	12234.4	12176.1	12113.0	12006.2	12064.5	12093.6	12113.0	12113.0
37.5°	10510.9	10540.0	10549.7	10438.1	10408.9	10336.1	10375.0	10379.8	10418.7	10442.9
40°	7952.4	8054.3	7986.3	7918.4	7928.1	7840.7	7826.1	7806.7	7894.1	7928.1
42.5°	4325.7	4500.5	4320.9	4379.1	4335.4	4286.9	4272.3	4296.6	4184.9	4092.7
45°	2175.0	2165.3	2204.1	2204.1	2243.0	2257.5	2223.6	2194.4	2179.9	2141.0
47.5°	1752.6	1723.5	1718.6	1742.9	1772.0	1791.5	1762.3	1747.8	1742.9	1767.2
50°	1505.0	1461.3	1446.8	1480.8	1505.0	1524.4	1500.2	1500.2	1495.3	1534.2
52.5°	1310.8	1267.1	1267.1	1335.1	1354.5	1373.9	1359.4	1359.4	1359.4	1403.1
55°	1160.3	1126.3	1087.5	1174.9	1238.0	1257.4	1247.7	1242.9	1247.7	1296.3
57.5°	1043.8	1024.4	1000.1	1019.5	1116.6	1140.9	1136.1	1136.1	1145.8	1184.6
60°	932.1	922.4	912.7	912.7	990.4	1034.1	1029.2	1029.2	1039.0	1063.2
62.5°	830.2	820.5	810.8	820.5	849.6	917.6	917.6	922.4	937.0	946.7
65°	728.2	723.4	723.4	728.2	737.9	791.4	810.8	825.3	839.9	844.8
67.5°	631.1	626.3	631.1	640.8	640.8	665.1	708.8	723.4	737.9	737.9
70°	509.8	534.0	548.6	553.5	563.2	568.0	606.9	636.0	650.6	631.1
72.5°	276.7	315.6	475.8	490.3	495.2	500.1	529.2	563.2	572.9	373.8
75°	199.1	199.1	398.1	422.4	427.2	427.2	451.5	485.5	495.2	286.4
77.5°	131.1	126.2	276.7	305.9	349.6	281.6	369.0	407.8	417.5	237.9
80°	102.0	97.1	213.6	237.9	242.7	194.2	301.0	330.1	335.0	194.2
82.5°	77.7	72.8	155.4	174.8	189.3	126.2	213.6	252.5	262.2	169.9
85°	43.7	43.7	77.7	72.8	111.7	82.5	121.4	126.2	169.9	106.8
87.5°	14.6	19.4	34.0	34.0	38.8	34.0	48.5	48.5	53.4	38.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

36678.9
37009.0
36746.9
35775.9
33916.5
31353.1
28644.0
25876.7
23293.9
21026.7
18943.9
17113.6
15380.4
13797.7
12171.3
10544.9
7971.8
4136.4
2175.0
1786.6
1582.7
1451.6
1325.4
1213.7
1082.6
961.3
854.5
737.9
558.3
320.4
281.6
233.0
174.8
174.8
102.0
29.1
0.0