

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: P524289

Luminaire Tested: **IFLD-L-SA7D-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524289
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30550.3 lumens
Efficiency: N/A
Efficacy: 72.3 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

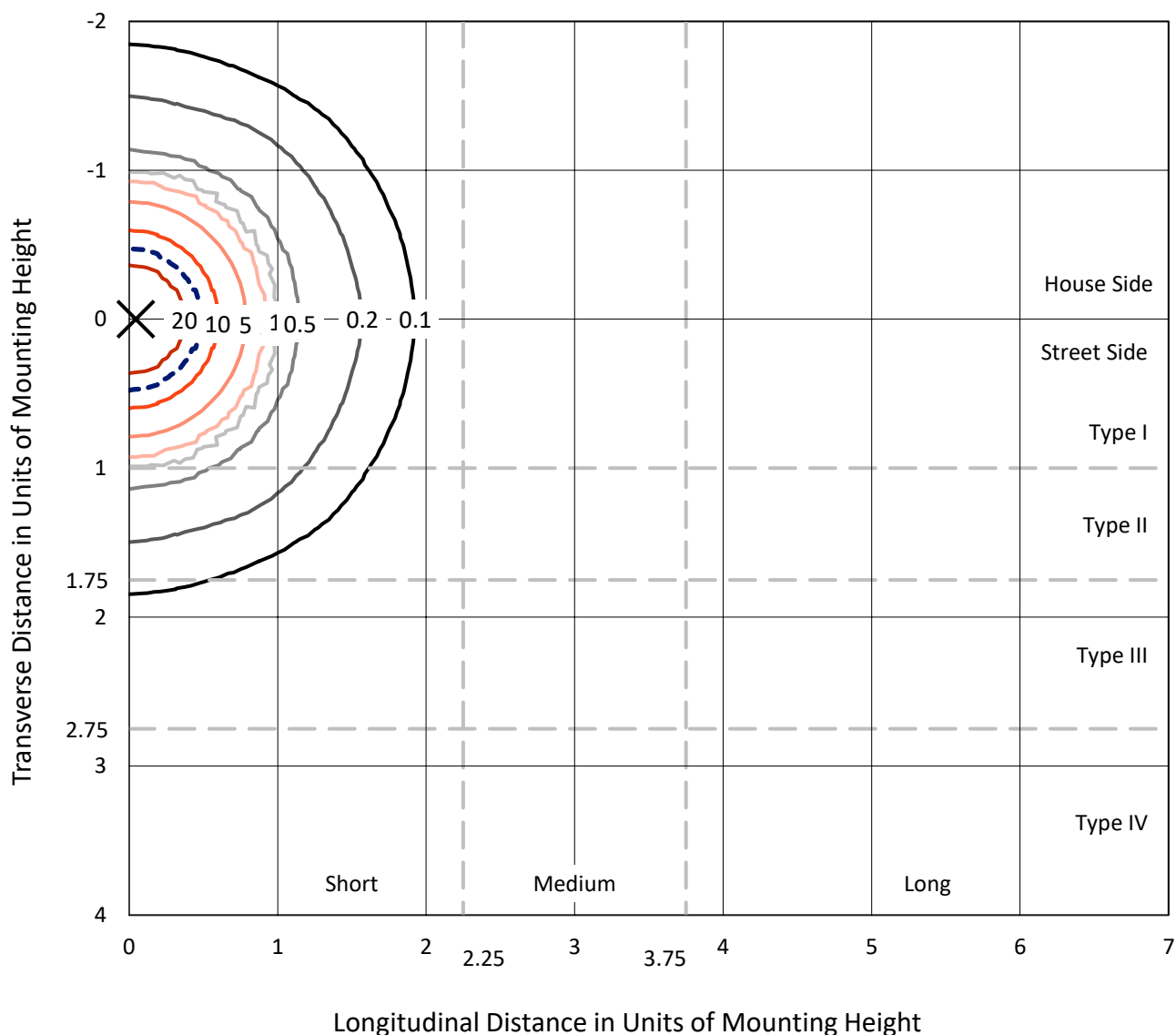
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

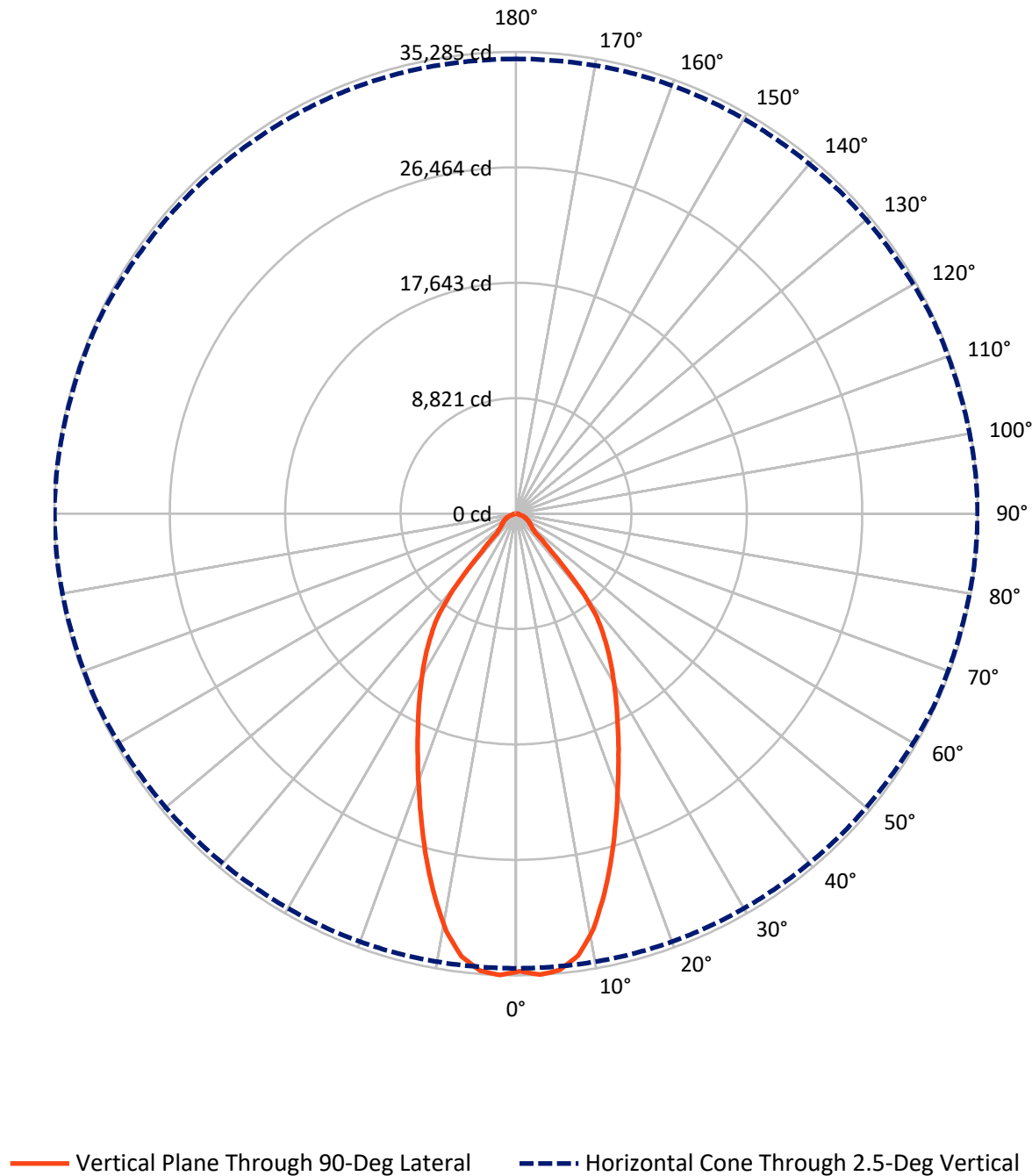


Based on 30 foot mounting height. Maximum calculated value = 38.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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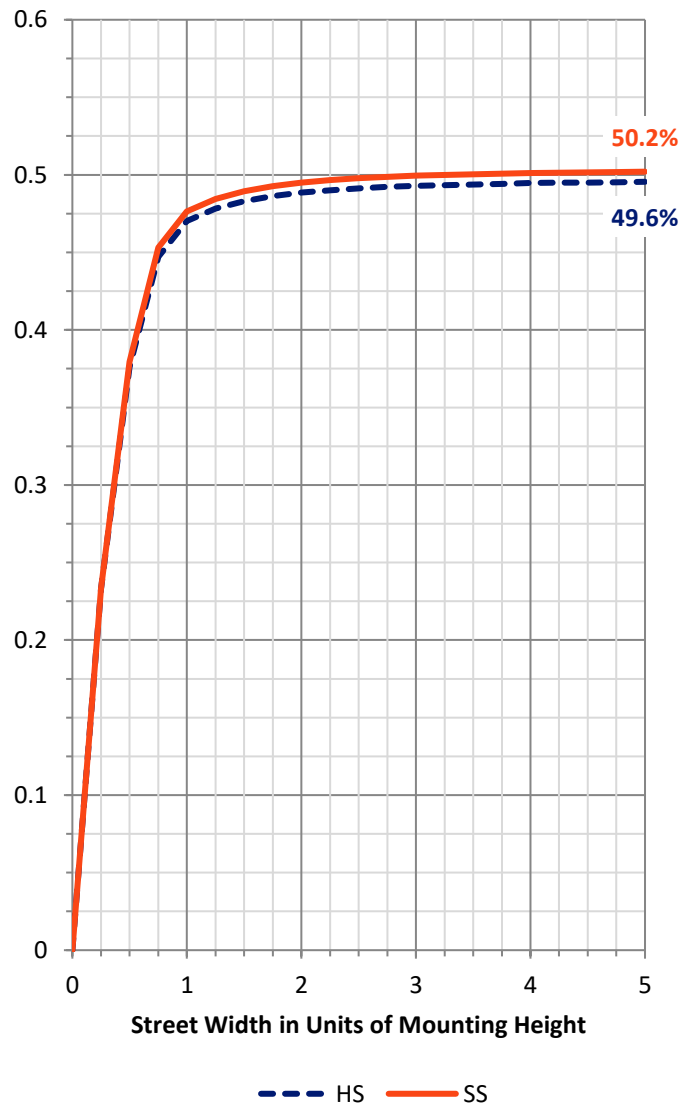
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15275.1	0.0	15275.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15275.1	0.0	15275.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	30550.3	0.0	30550.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3223.8	10.6
10°-20°	7441.8	24.4
20°-30°	8170.5	26.7
30°-40°	7084.4	23.2
40°-50°	2331.1	7.6
50°-60°	1045.2	3.4
60°-70°	738.7	2.4
70°-80°	401.1	1.3
80°-90°	113.7	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°	30550.3	100.0
0°-180°	30550.3	100.0

Coefficient of Utilization



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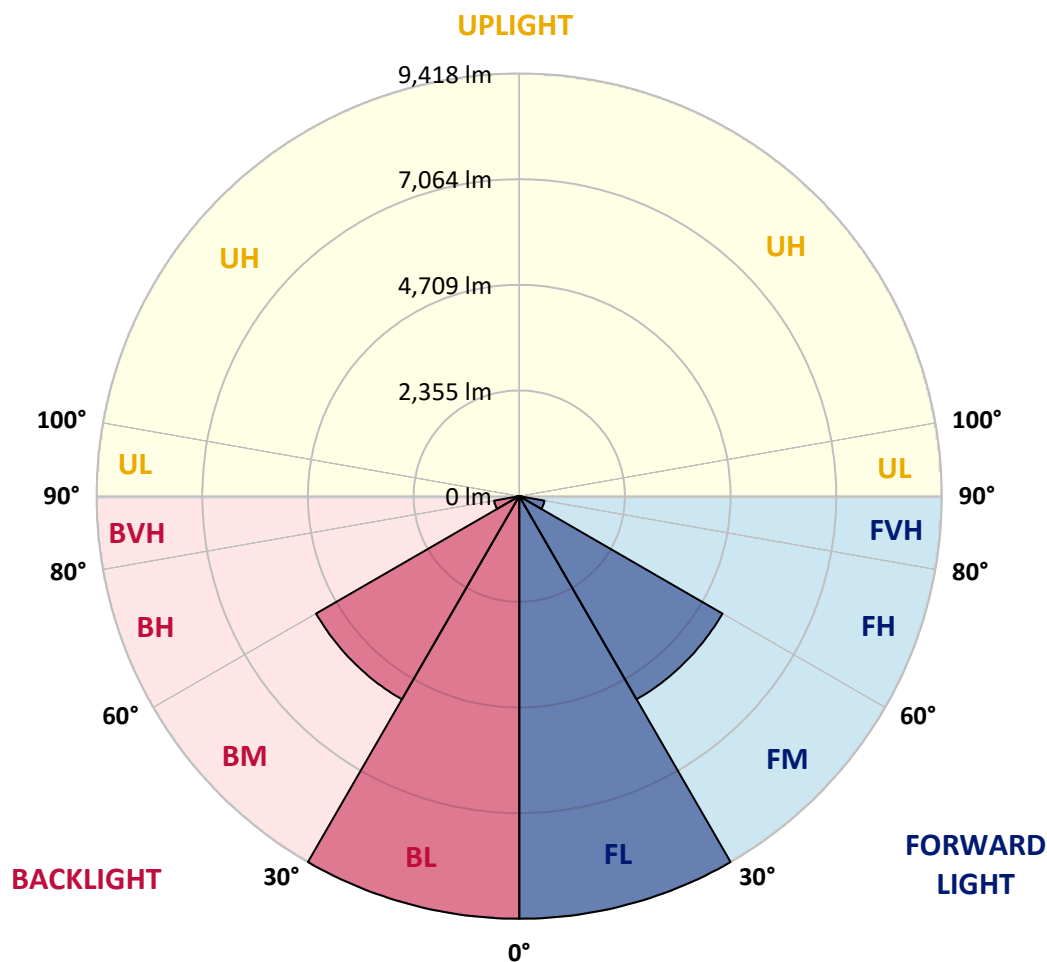
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9418.0	30.8			
FM	(30°-60°)	5230.3	17.1			
FH	(60°-80°)	569.9	1.9			G0/660
FVH	(80°-90°)	56.9	0.2			G1/100
BL	(0°-30°)	9418.0	30.8	B5		
BM	(30°-60°)	5230.3	17.1	B4/8500		
BH	(60°-80°)	569.9	1.9	B2/1000		G0/660
BVH	(80°-90°)	56.9	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°	34970.5	34970.5	34970.5	34970.5	34970.5	34970.5	34970.5	34970.5	34970.5	34970.5
2.5°	34753.0	34748.3	34803.9	34831.6	34845.5	34910.3	34975.1	35146.4	35151.0	35252.9
5°	34706.7	34665.0	34702.0	34646.5	34660.4	34660.4	34743.7	34868.7	34915.0	35016.8
7.5°	33674.4	33665.2	33642.0	33581.9	33655.9	33605.0	33757.8	33868.9	33975.3	34026.2
10°	31748.9	31660.9	31660.9	31577.6	31651.7	31582.2	31832.2	31934.0	32114.5	32221.0
12.5°	29258.6	29221.5	29226.2	29189.1	29184.5	29087.3	29378.9	29466.9	29628.9	29786.3
15°	26601.7	26546.1	26597.0	26597.0	26555.4	26467.4	26777.5	26897.9	27134.0	27208.0
17.5°	23977.1	23954.0	23986.4	24000.3	23967.9	23884.6	24185.4	24449.3	24611.3	24611.3
20°	21570.2	21560.9	21602.6	21560.9	21528.5	21473.0	21750.7	22005.3	22148.8	22158.0
22.5°	19454.8	19505.7	19468.7	19417.8	19348.3	19306.7	19561.3	19797.3	19894.5	19991.7
25°	17598.7	17612.5	17640.3	17561.6	17478.3	17427.4	17617.2	17816.2	17969.0	18024.5
27.5°	16071.2	16122.1	16052.6	15932.3	15886.0	15825.8	15960.1	16103.6	16214.6	16293.3
30°	14585.3	14613.1	14627.0	14502.0	14390.9	14303.0	14414.1	14539.0	14580.7	14650.1
32.5°	13159.6	13205.9	13252.2	13099.5	13020.8	12937.5	12993.0	13071.7	13094.8	13099.5
35°	11738.6	11706.2	11664.5	11609.0	11548.8	11447.0	11502.5	11530.3	11548.8	11548.8
37.5°	10021.3	10049.1	10058.4	9951.9	9924.1	9854.7	9891.7	9896.4	9933.4	9956.5
40°	7582.0	7679.2	7614.4	7549.6	7558.8	7475.5	7461.6	7443.1	7526.4	7558.8
42.5°	4124.3	4290.9	4119.6	4175.2	4133.5	4087.2	4073.3	4096.5	3990.0	3902.1
45°	2073.7	2064.4	2101.5	2101.5	2138.5	2152.4	2120.0	2092.2	2078.3	2041.3
47.5°	1671.0	1643.2	1638.6	1661.7	1689.5	1708.0	1680.3	1666.4	1661.7	1684.9
50°	1434.9	1393.3	1379.4	1411.8	1434.9	1453.4	1430.3	1430.3	1425.7	1462.7
52.5°	1249.8	1208.1	1208.1	1272.9	1291.4	1309.9	1296.1	1296.1	1296.1	1337.7
55°	1106.3	1073.9	1036.8	1120.2	1180.3	1198.9	1189.6	1185.0	1189.6	1235.9
57.5°	995.2	976.7	953.5	972.0	1064.6	1087.8	1083.1	1083.1	1092.4	1129.4
60°	888.7	879.5	870.2	870.2	944.3	985.9	981.3	981.3	990.6	1013.7
62.5°	791.5	782.3	773.0	782.3	810.0	874.8	874.8	879.5	893.4	902.6
65°	694.3	689.7	689.7	694.3	703.6	754.5	773.0	786.9	800.8	805.4
67.5°	601.7	597.1	601.7	611.0	611.0	634.1	675.8	689.7	703.6	703.6
70°	486.0	509.2	523.1	527.7	536.9	541.6	578.6	606.4	620.3	601.7
72.5°	263.8	300.9	453.6	467.5	472.1	476.8	504.5	536.9	546.2	356.4
75°	189.8	189.8	379.6	402.7	407.3	407.3	430.5	462.9	472.1	273.1
77.5°	125.0	120.3	263.8	291.6	333.3	268.5	351.8	388.8	398.1	226.8
80°	97.2	92.6	203.7	226.8	231.4	185.2	287.0	314.8	319.4	185.2
82.5°	74.1	69.4	148.1	166.6	180.5	120.3	203.7	240.7	250.0	162.0
85°	41.7	41.7	74.1	69.4	106.5	78.7	115.7	120.3	162.0	101.8
87.5°	13.9	18.5	32.4	32.4	37.0	32.4	46.3	46.3	50.9	37.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

34970.5
35285.3
35035.3
34109.6
32336.7
29892.7
27309.9
24671.4
22208.9
20047.3
18061.5
16316.5
14664.0
13155.0
11604.4
10053.7
7600.5
3943.7
2073.7
1703.4
1509.0
1384.0
1263.7
1157.2
1032.2
916.5
814.7
703.6
532.3
305.5
268.5
222.2
166.6
166.6
97.2
27.8
0.0