

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: P524404

Luminaire Tested: **IFLD-L-SA7B-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524404
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25458.1 lumens
Efficiency: N/A
Efficacy: 90.6 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

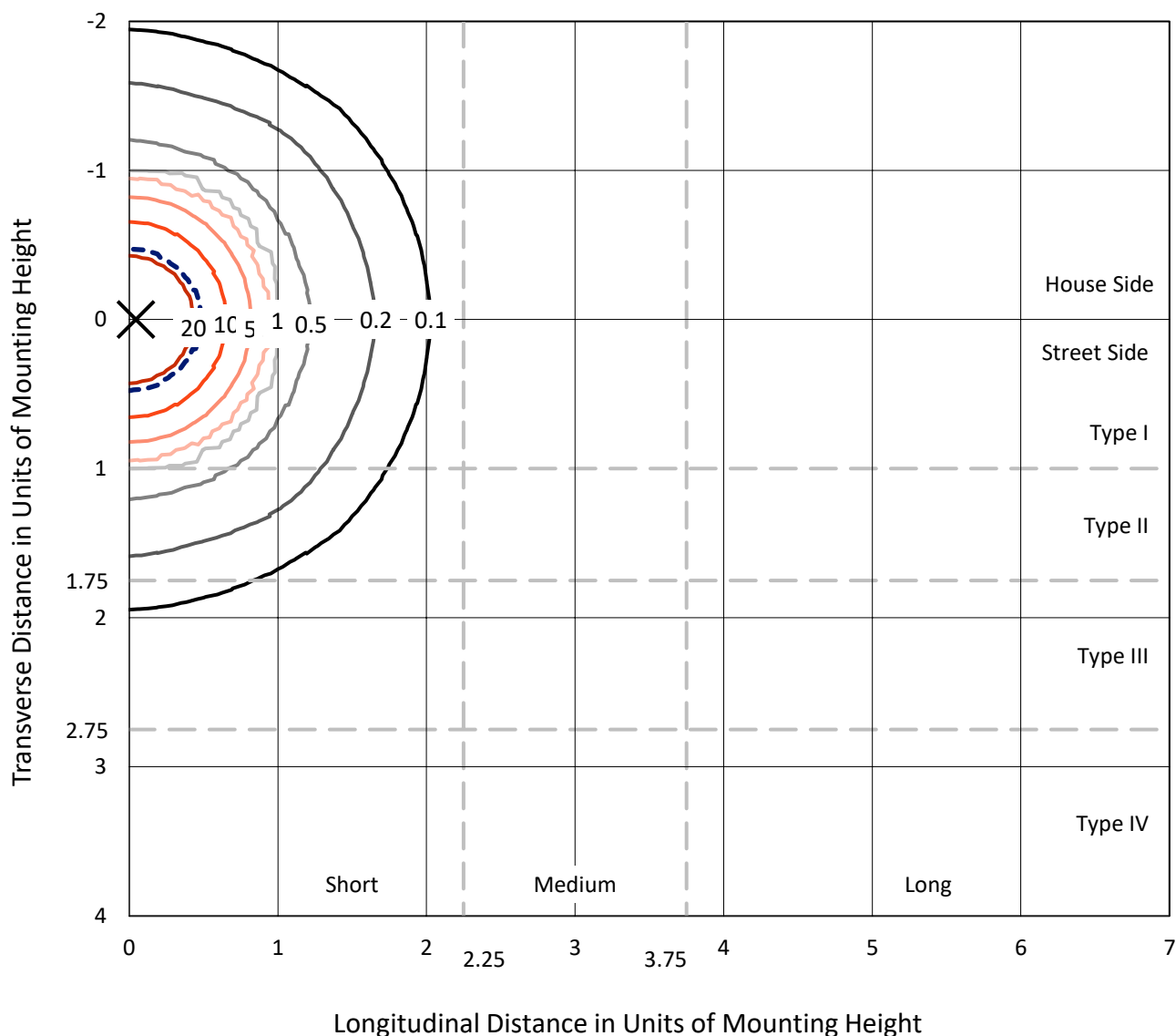
REPORT NUMBER: P524404

CATALOG NUMBER: IFLD-L-SA7B-940-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

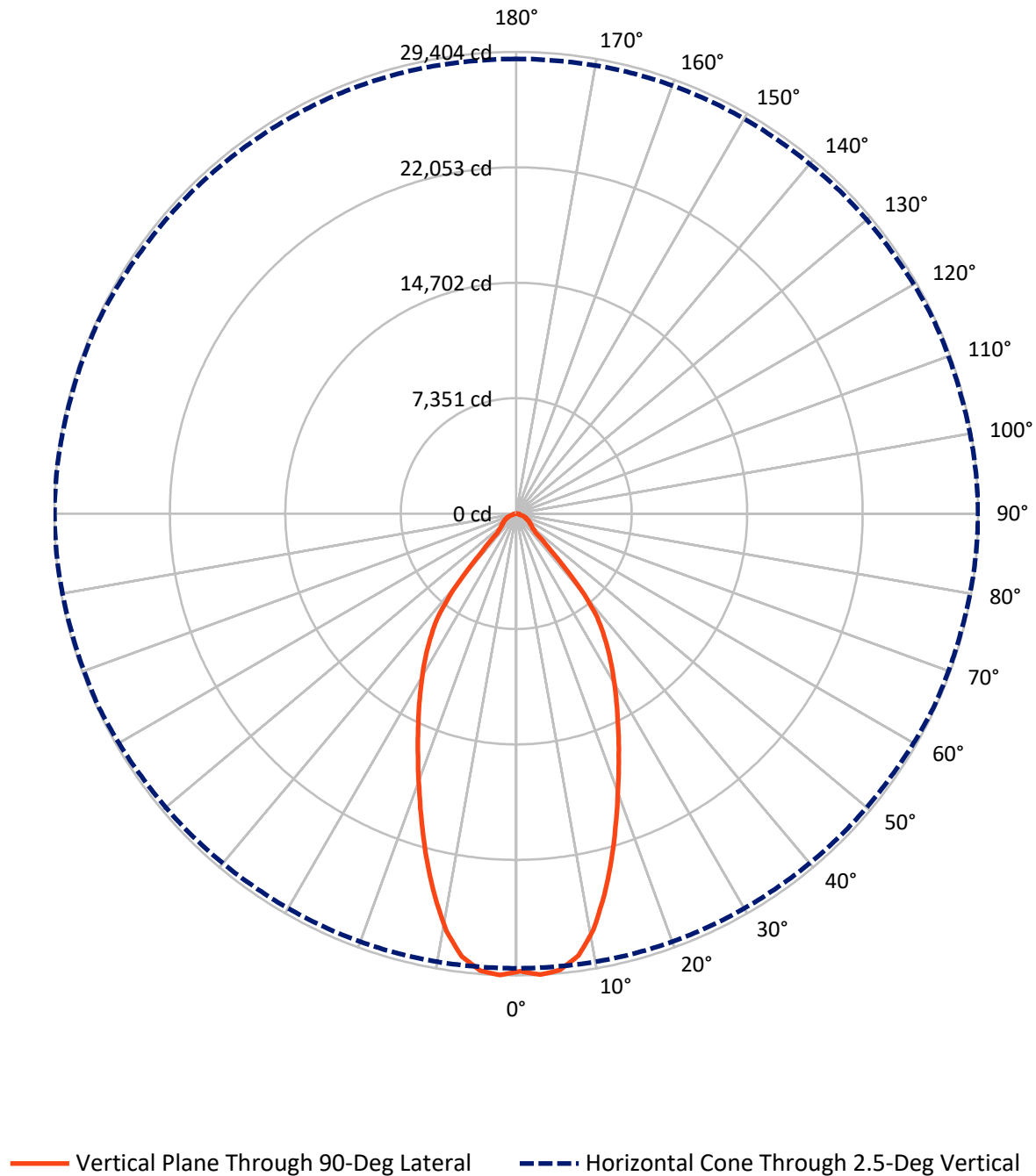


Based on 25 foot mounting height. Maximum calculated value = 46.6 fc

Type V - Short - N/A

REPORT NUMBER: P524404
CATALOG NUMBER: IFLD-L-SA7B-940-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524404

CATALOG NUMBER: IFLD-L-SA7B-940-U-55

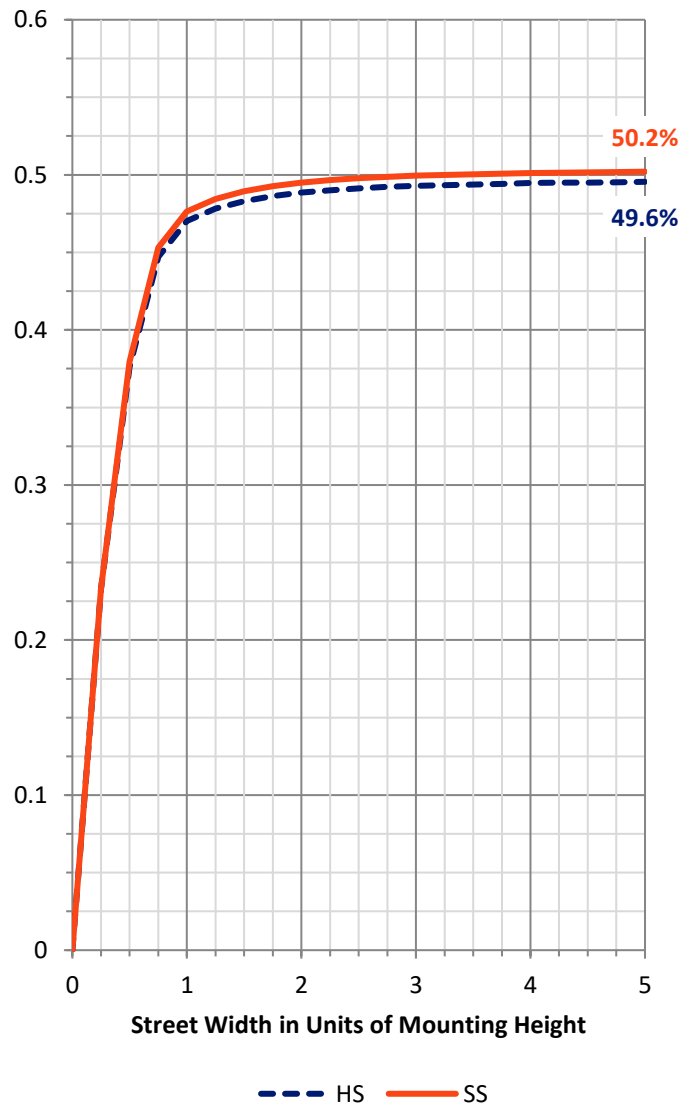
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12729.0	0.0	12729.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12729.0	0.0	12729.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25458.1	0.0	25458.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2686.4	10.6
10°-20°	6201.4	24.4
20°-30°	6808.6	26.7
30°-40°	5903.5	23.2
40°-50°	1942.5	7.6
50°-60°	871.0	3.4
60°-70°	615.6	2.4
70°-80°	334.2	1.3
80°-90°	94.8	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°	25458.1	100.0
0°-180°	25458.1	100.0

Coefficient of Utilization



REPORT NUMBER: P524404

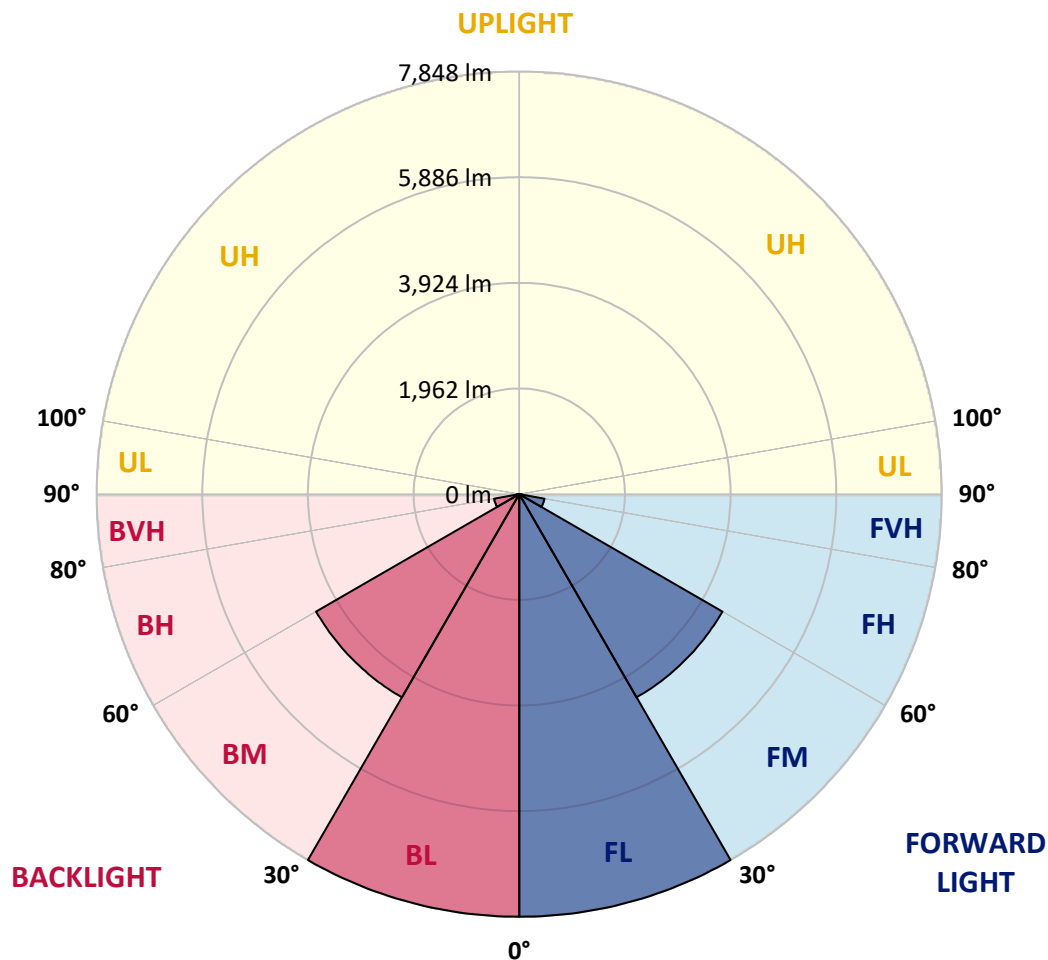
CATALOG NUMBER: IFLD-L-SA7B-940-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7848.2	30.8			
FM	(30°-60°)	4358.5	17.1			
FH	(60°-80°)	474.9	1.9			G0/660
FVH	(80°-90°)	47.4	0.2			G1/100
BL	(0°-30°)	7848.2	30.8	B5		
BM	(30°-60°)	4358.5	17.1	B3/5000		
BH	(60°-80°)	474.9	1.9	B1/500		G0/660
BVH	(80°-90°)	47.4	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°	29141.5	29141.5	29141.5	29141.5	29141.5	29141.5	29141.5	29141.5	29141.5	29141.5
2.5°	28960.2	28956.4	29002.6	29025.8	29037.4	29091.4	29145.4	29288.1	29291.9	29376.8
5°	28921.6	28886.9	28917.8	28871.5	28883.1	28883.1	28952.5	29056.6	29095.2	29180.1
7.5°	28061.5	28053.8	28034.5	27984.3	28046.1	28003.6	28130.9	28223.5	28312.2	28354.6
10°	26456.9	26383.6	26383.6	26314.1	26375.9	26318.0	26526.3	26611.2	26761.6	26850.3
12.5°	24381.7	24350.8	24354.7	24323.8	24319.9	24238.9	24482.0	24555.2	24690.2	24821.4
15°	22167.6	22121.3	22163.7	22163.7	22129.0	22055.7	22314.2	22414.5	22611.2	22672.9
17.5°	19980.5	19961.3	19988.3	19999.8	19972.8	19903.4	20154.1	20374.0	20509.0	20509.0
20°	17974.8	17967.1	18001.8	17967.1	17940.1	17893.8	18125.2	18337.4	18456.9	18464.6
22.5°	16212.0	16254.4	16223.6	16181.2	16123.3	16088.6	16300.7	16497.5	16578.5	16659.5
25°	14665.3	14676.8	14700.0	14634.4	14565.0	14522.5	14680.7	14846.5	14973.8	15020.1
27.5°	13392.4	13434.8	13376.9	13276.6	13238.1	13187.9	13299.8	13419.4	13511.9	13577.5
30°	12154.2	12177.3	12188.9	12084.8	11992.2	11918.9	12011.5	12115.6	12150.3	12208.2
32.5°	10966.2	11004.7	11043.3	10916.0	10850.4	10781.0	10827.3	10892.9	10912.2	10916.0
35°	9782.0	9755.0	9720.3	9674.0	9623.8	9539.0	9585.3	9608.4	9623.8	9623.8
37.5°	8350.9	8374.1	8381.8	8293.1	8269.9	8212.1	8242.9	8246.8	8277.7	8296.9
40°	6318.2	6399.2	6345.2	6291.2	6298.9	6229.5	6217.9	6202.5	6271.9	6298.9
42.5°	3436.8	3575.7	3433.0	3479.2	3444.5	3406.0	3394.4	3413.7	3324.9	3251.7
45°	1728.0	1720.3	1751.2	1751.2	1782.0	1793.6	1766.6	1743.5	1731.9	1701.0
47.5°	1392.5	1369.3	1365.5	1384.8	1407.9	1423.3	1400.2	1388.6	1384.8	1404.0
50°	1195.7	1161.0	1149.5	1176.5	1195.7	1211.2	1191.9	1191.9	1188.0	1218.9
52.5°	1041.5	1006.7	1006.7	1060.7	1076.2	1091.6	1080.0	1080.0	1080.0	1114.7
55°	921.9	894.9	864.0	933.5	983.6	999.0	991.3	987.5	991.3	1029.9
57.5°	829.3	813.9	794.6	810.0	887.2	906.5	902.6	902.6	910.3	941.2
60°	740.6	732.9	725.2	725.2	786.9	821.6	817.7	817.7	825.5	844.7
62.5°	659.6	651.9	644.2	651.9	675.0	729.0	729.0	732.9	744.4	752.2
65°	578.6	574.7	574.7	578.6	586.3	628.7	644.2	655.7	667.3	671.2
67.5°	501.4	497.6	501.4	509.2	509.2	528.4	563.2	574.7	586.3	586.3
70°	405.0	424.3	435.9	439.7	447.4	451.3	482.2	505.3	516.9	501.4
72.5°	219.9	250.7	378.0	389.6	393.4	397.3	420.4	447.4	455.2	297.0
75°	158.1	158.1	316.3	335.6	339.4	339.4	358.7	385.7	393.4	227.6
77.5°	104.1	100.3	219.9	243.0	277.7	223.7	293.2	324.0	331.7	189.0
80°	81.0	77.1	169.7	189.0	192.9	154.3	239.1	262.3	266.2	154.3
82.5°	61.7	57.9	123.4	138.9	150.4	100.3	169.7	200.6	208.3	135.0
85°	34.7	34.7	61.7	57.9	88.7	65.6	96.4	100.3	135.0	84.9
87.5°	11.6	15.4	27.0	27.0	30.9	27.0	38.6	38.6	42.4	30.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

29141.5
29403.8
29195.5
28424.1
26946.7
24910.1
22757.8
20559.1
18507.1
16705.7
15051.0
13596.8
12219.8
10962.3
9670.1
8377.9
6333.6
3286.4
1728.0
1419.5
1257.5
1153.3
1053.0
964.3
860.2
763.7
678.9
586.3
443.6
254.6
223.7
185.1
138.9
138.9
81.0
23.1
0.0