

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: P524287

Luminaire Tested: **IFLD-L-SA7B-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524287
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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: 22303.8 lumens
Efficiency: N/A
Efficacy: 79.4 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

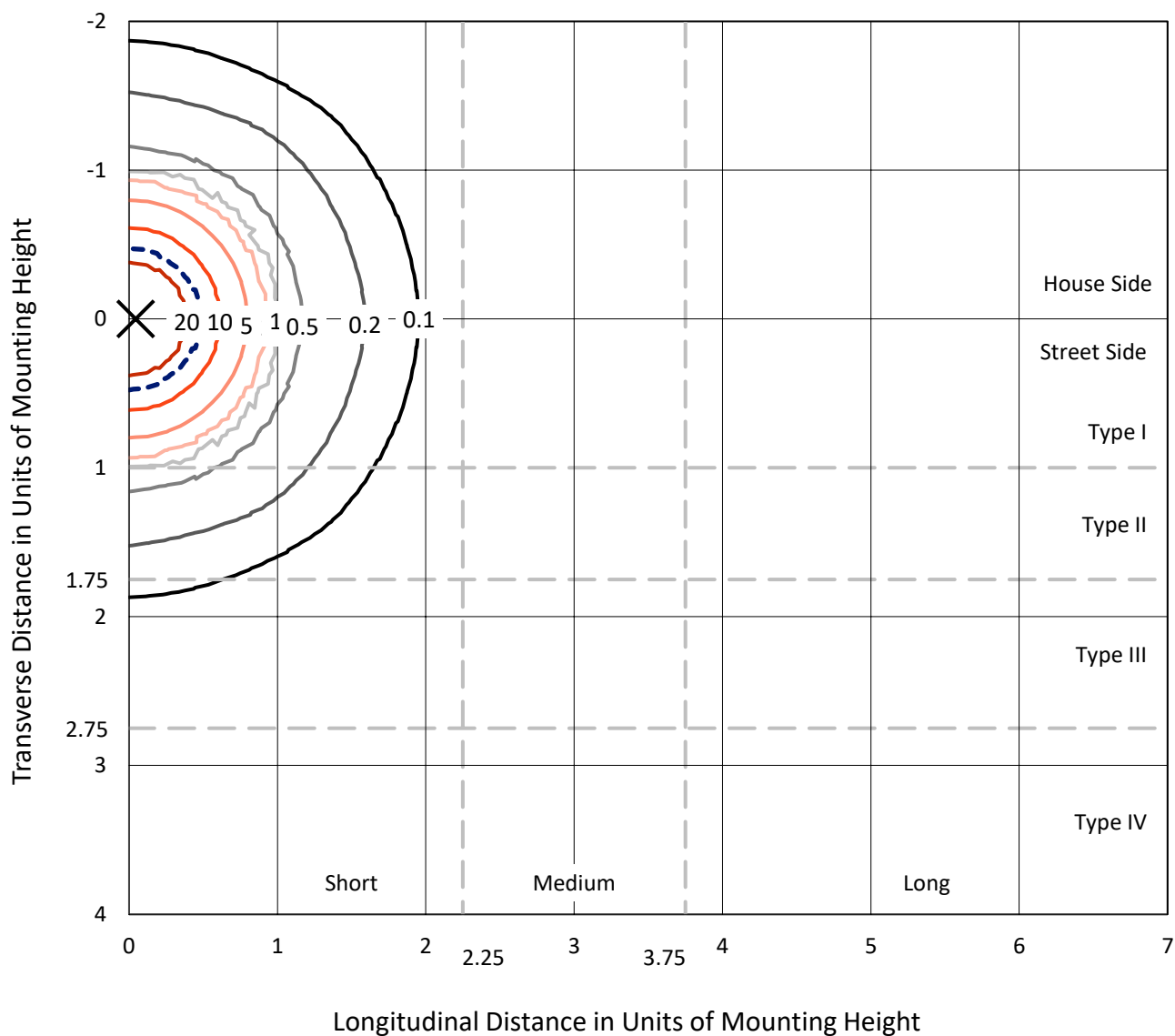
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

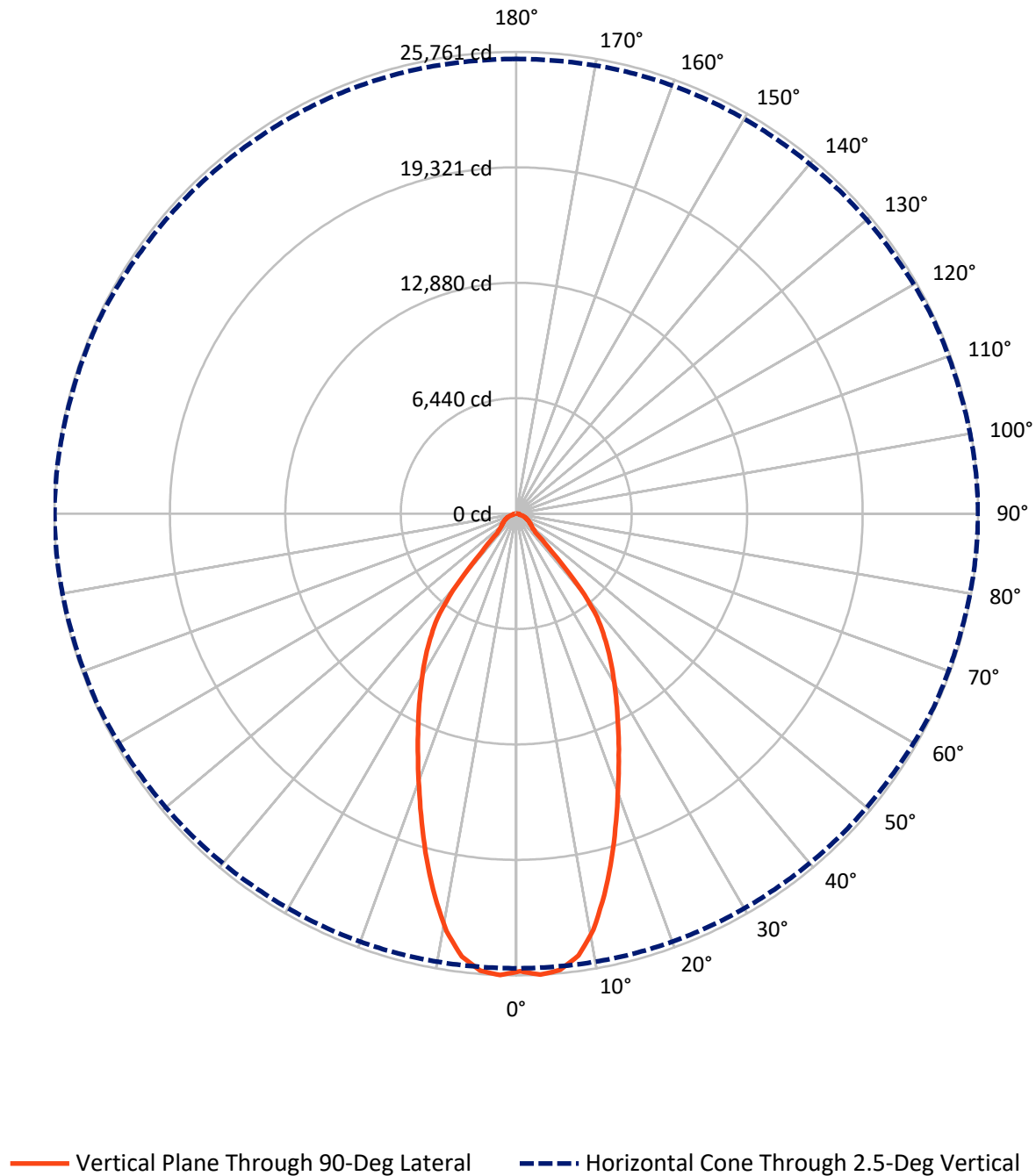


Based on 25 foot mounting height. Maximum calculated value = 40.8 fc

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	11151.9	0.0	11151.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11151.9	0.0	11151.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22303.8	0.0	22303.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2353.6	10.6
10°-20°	5433.0	24.4
20°-30°	5965.0	26.7
30°-40°	5172.1	23.2
40°-50°	1701.8	7.6
50°-60°	763.0	3.4
60°-70°	539.3	2.4
70°-80°	292.8	1.3
80°-90°	83.1	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°	22303.8	100.0
0°-180°	22303.8	100.0

Coefficient of Utilization



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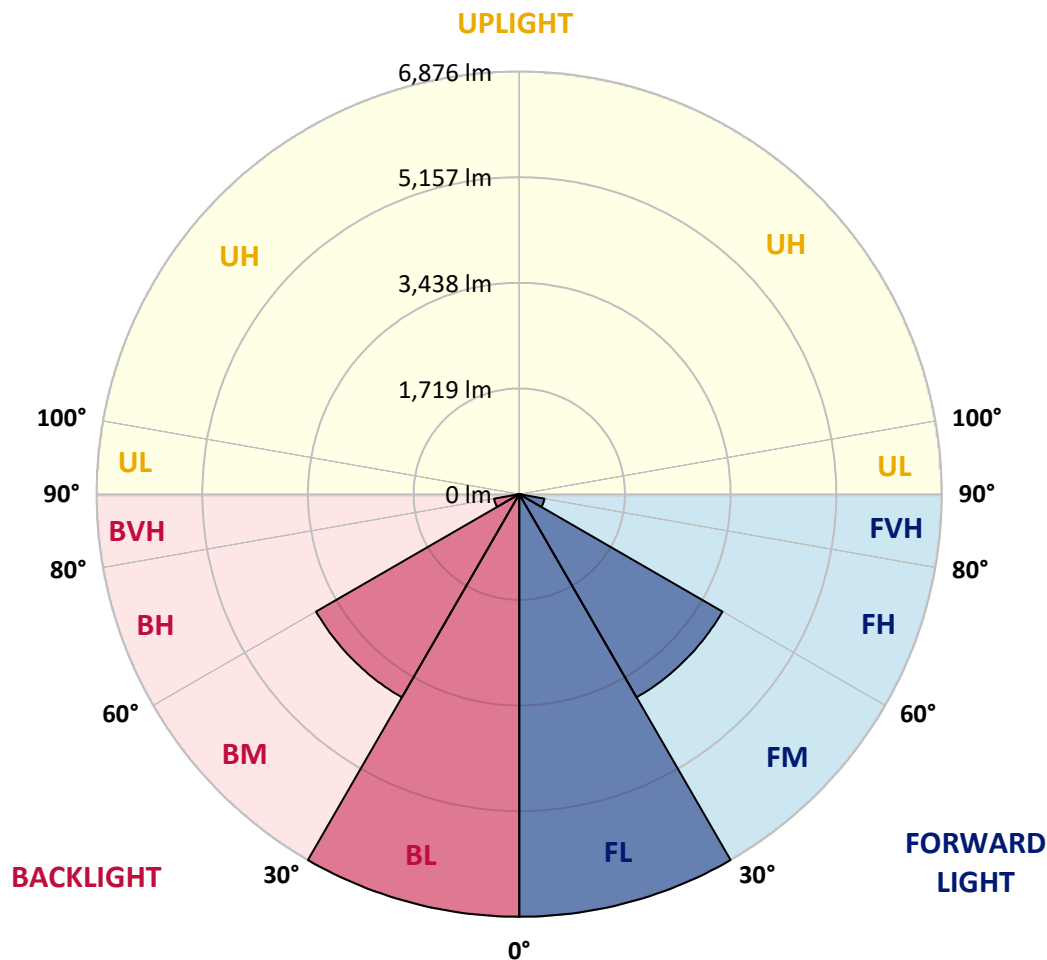
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6875.8	30.8			
FM	(30°-60°)	3818.5	17.1			
FH	(60°-80°)	416.1	1.9			G0/660
FVH	(80°-90°)	41.5	0.2			G1/100
BL	(0°-30°)	6875.8	30.8	B5		
BM	(30°-60°)	3818.5	17.1	B3/5000		
BH	(60°-80°)	416.1	1.9	B1/500		G0/660
BVH	(80°-90°)	41.5	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°	25530.9	25530.9	25530.9	25530.9	25530.9	25530.9	25530.9	25530.9	25530.9	25530.9
2.5°	25372.0	25368.7	25409.2	25429.5	25439.6	25486.9	25534.3	25659.3	25662.7	25737.0
5°	25338.3	25307.8	25334.9	25294.3	25304.5	25304.5	25365.3	25456.5	25490.3	25564.7
7.5°	24584.7	24577.9	24561.0	24517.1	24571.1	24534.0	24645.5	24726.6	24804.3	24841.5
10°	23178.9	23114.7	23114.7	23053.8	23107.9	23057.2	23239.7	23314.0	23445.8	23523.6
12.5°	21360.8	21333.7	21337.1	21310.1	21306.7	21235.7	21448.6	21512.8	21631.1	21746.0
15°	19421.0	19380.5	19417.7	19417.7	19387.2	19323.0	19549.5	19637.3	19809.7	19863.7
17.5°	17505.0	17488.1	17511.7	17521.9	17498.2	17437.4	17657.0	17849.6	17967.9	17967.9
20°	15747.7	15740.9	15771.4	15740.9	15717.3	15676.7	15879.5	16065.4	16170.1	16176.9
22.5°	14203.3	14240.5	14213.5	14176.3	14125.6	14095.2	14281.1	14453.4	14524.4	14595.3
25°	12848.2	12858.4	12878.6	12821.2	12760.4	12723.2	12861.7	13007.1	13118.6	13159.1
27.5°	11733.1	11770.2	11719.5	11631.7	11597.9	11553.9	11651.9	11756.7	11837.8	11895.3
30°	10648.3	10668.6	10678.7	10587.5	10506.4	10442.1	10523.2	10614.5	10644.9	10695.6
32.5°	9607.4	9641.2	9675.0	9563.5	9506.1	9445.2	9485.8	9543.2	9560.1	9563.5
35°	8570.0	8546.3	8515.9	8475.4	8431.4	8357.1	8397.6	8417.9	8431.4	8431.4
37.5°	7316.3	7336.5	7343.3	7265.6	7245.3	7194.6	7221.6	7225.0	7252.1	7268.9
40°	5535.4	5606.3	5559.0	5511.7	5518.5	5457.6	5447.5	5434.0	5494.8	5518.5
42.5°	3011.0	3132.6	3007.6	3048.2	3017.7	2984.0	2973.8	2990.7	2913.0	2848.8
45°	1513.9	1507.2	1534.2	1534.2	1561.3	1571.4	1547.7	1527.5	1517.3	1490.3
47.5°	1219.9	1199.7	1196.3	1213.2	1233.5	1247.0	1226.7	1216.6	1213.2	1230.1
50°	1047.6	1017.2	1007.0	1030.7	1047.6	1061.1	1044.2	1044.2	1040.8	1067.9
52.5°	912.4	882.0	882.0	929.3	942.8	956.4	946.2	946.2	946.2	976.6
55°	807.7	784.0	757.0	817.8	861.7	875.2	868.5	865.1	868.5	902.3
57.5°	726.6	713.0	696.1	709.7	777.2	794.1	790.8	790.8	797.5	824.6
60°	648.8	642.1	635.3	635.3	689.4	719.8	716.4	716.4	723.2	740.1
62.5°	577.9	571.1	564.3	571.1	591.4	638.7	638.7	642.1	652.2	659.0
65°	506.9	503.5	503.5	506.9	513.7	550.8	564.3	574.5	584.6	588.0
67.5°	439.3	435.9	439.3	446.1	446.1	463.0	493.4	503.5	513.7	513.7
70°	354.8	371.7	381.9	385.2	392.0	395.4	422.4	442.7	452.8	439.3
72.5°	192.6	219.7	331.2	341.3	344.7	348.1	368.3	392.0	398.8	260.2
75°	138.6	138.6	277.1	294.0	297.4	297.4	314.3	337.9	344.7	199.4
77.5°	91.2	87.9	192.6	212.9	243.3	196.0	256.8	283.9	290.6	165.6
80°	71.0	67.6	148.7	165.6	169.0	135.2	209.5	229.8	233.2	135.2
82.5°	54.1	50.7	108.1	121.7	131.8	87.9	148.7	175.7	182.5	118.3
85°	30.4	30.4	54.1	50.7	77.7	57.4	84.5	87.9	118.3	74.3
87.5°	10.1	13.5	23.7	23.7	27.0	23.7	33.8	33.8	37.2	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25530.9
25760.7
25578.2
24902.3
23608.0
21823.7
19938.1
18011.9
16214.0
14635.9
13186.2
11912.2
10705.7
9604.1
8472.0
7339.9
5548.9
2879.2
1513.9
1243.6
1101.7
1010.4
922.6
844.8
753.6
669.1
594.8
513.7
388.6
223.0
196.0
162.2
121.7
121.7
71.0
20.3
0.0