

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: P524277

Luminaire Tested: **IFLD-S-SA6B-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524277
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20905.7 lumens
Efficiency: N/A
Efficacy: 85.4 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): 244.9
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

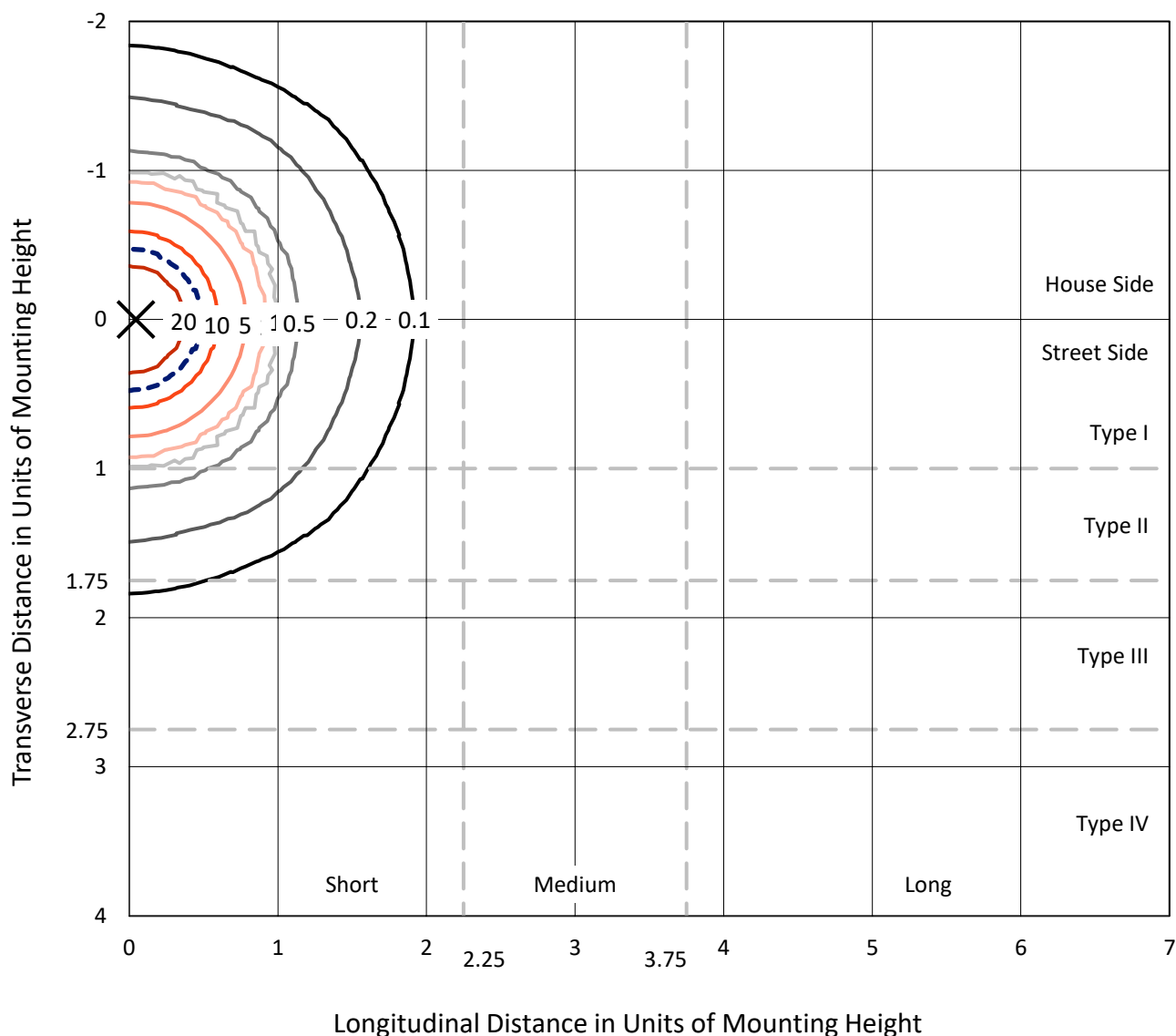
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

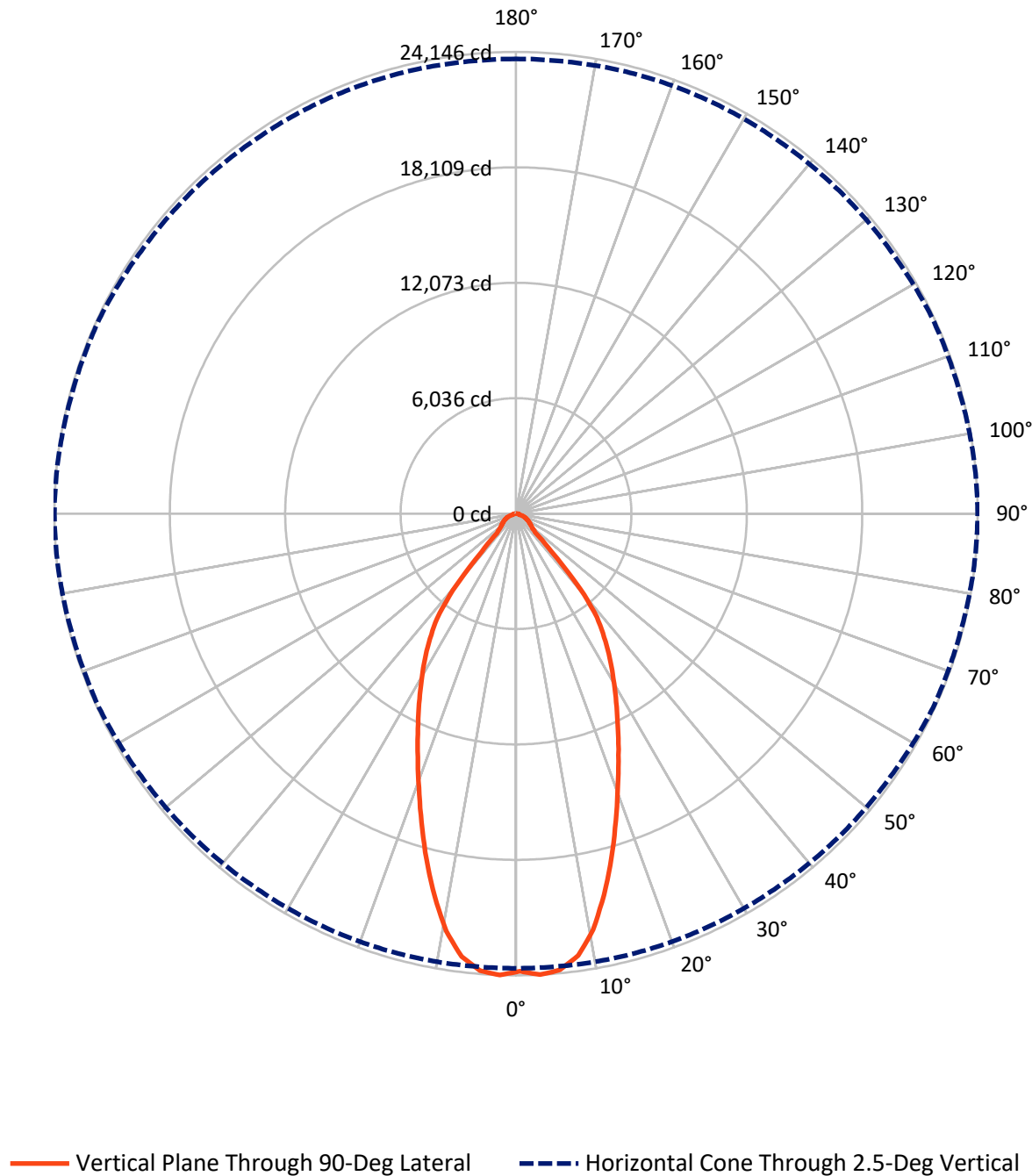


Based on 25 foot mounting height. Maximum calculated value = 38.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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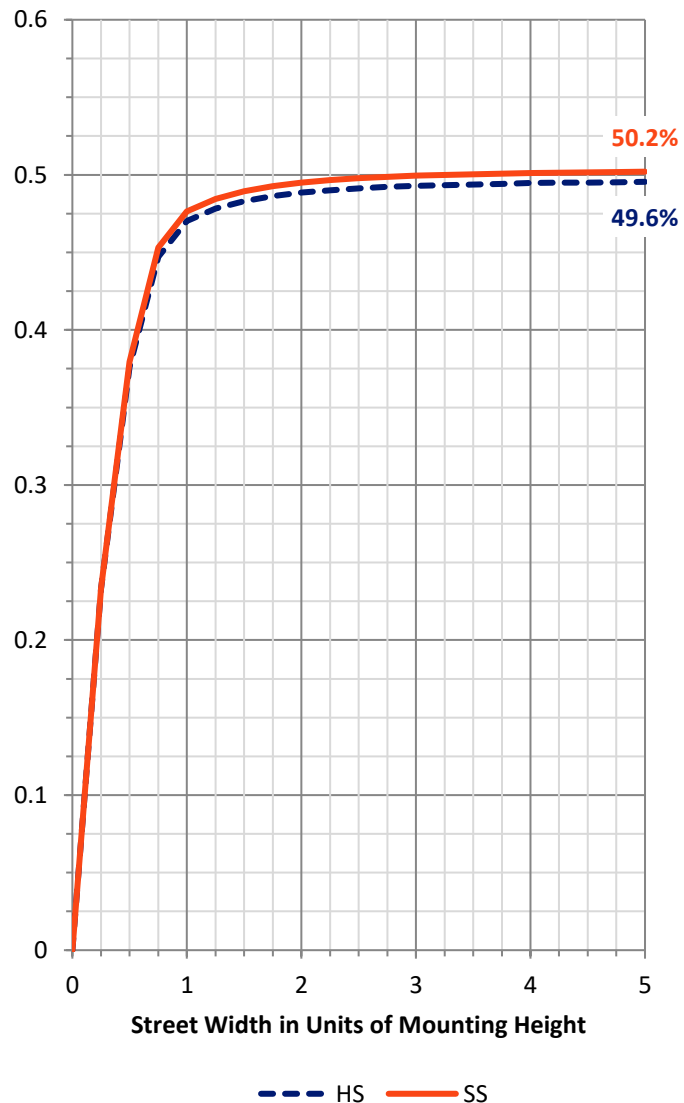
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10452.8	0.0	10452.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10452.8	0.0	10452.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20905.7	0.0	20905.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2206.1	10.6
10°-20°	5092.5	24.4
20°-30°	5591.1	26.7
30°-40°	4847.9	23.2
40°-50°	1595.2	7.6
50°-60°	715.2	3.4
60°-70°	505.5	2.4
70°-80°	274.5	1.3
80°-90°	77.8	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°	20905.7	100.0
0°-180°	20905.7	100.0

Coefficient of Utilization



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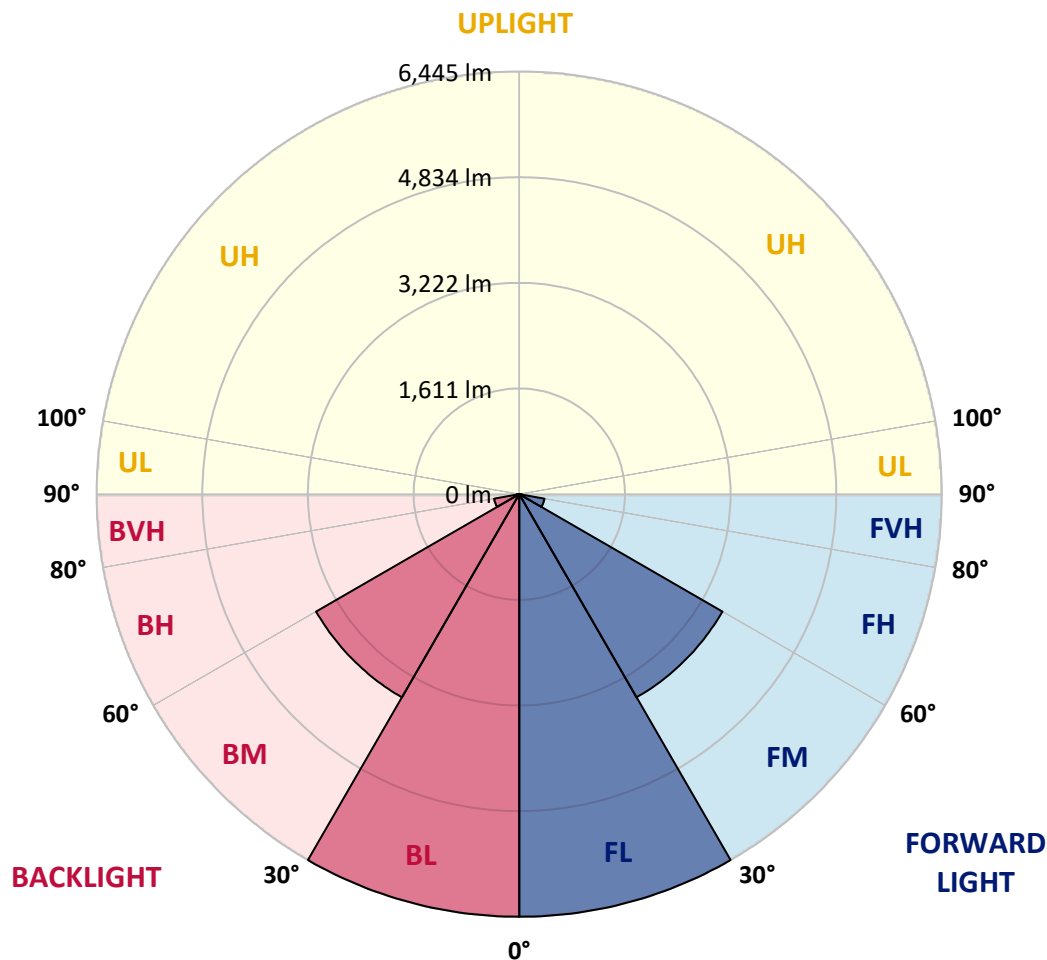
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6444.8	30.8			
FM	(30°-60°)	3579.1	17.1			
FH	(60°-80°)	390.0	1.9			G0/660
FVH	(80°-90°)	38.9	0.2			G1/100
BL	(0°-30°)	6444.8	30.8	B5		
BM	(30°-60°)	3579.1	17.1	B3/5000		
BH	(60°-80°)	390.0	1.9	B1/500		G0/660
BVH	(80°-90°)	38.9	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°	23930.4	23930.4	23930.4	23930.4	23930.4	23930.4	23930.4	23930.4	23930.4	23930.4
2.5°	23781.6	23778.4	23816.4	23835.4	23844.9	23889.3	23933.6	24050.8	24054.0	24123.6
5°	23749.9	23721.4	23746.7	23708.7	23718.2	23718.2	23775.2	23860.7	23892.4	23962.1
7.5°	23043.5	23037.2	23021.4	22980.2	23030.9	22996.0	23100.5	23176.6	23249.4	23284.3
10°	21725.9	21665.7	21665.7	21608.7	21659.3	21611.8	21782.9	21852.6	21976.1	22048.9
12.5°	20021.7	19996.4	19999.6	19974.2	19971.1	19904.5	20104.1	20164.3	20275.1	20382.8
15°	18203.6	18165.6	18200.4	18200.4	18171.9	18111.7	18324.0	18406.3	18567.9	18618.5
17.5°	16407.6	16391.8	16414.0	16423.5	16401.3	16344.3	16550.2	16730.7	16841.6	16841.6
20°	14760.5	14754.2	14782.7	14754.2	14732.0	14694.0	14884.1	15058.3	15156.5	15162.8
22.5°	13313.0	13347.8	13322.5	13287.6	13240.1	13211.6	13385.8	13547.4	13613.9	13680.4
25°	12042.8	12052.3	12071.3	12017.5	11960.5	11925.6	12055.5	12191.7	12296.2	12334.2
27.5°	10997.5	11032.4	10984.9	10902.5	10870.8	10829.7	10921.5	11019.7	11095.7	11149.6
30°	9980.8	9999.8	10009.3	9923.8	9847.7	9787.6	9863.6	9949.1	9977.6	10025.1
32.5°	9005.2	9036.9	9068.5	8964.0	8910.2	8853.2	8891.2	8945.0	8960.8	8964.0
35°	8032.8	8010.6	7982.1	7944.1	7902.9	7833.2	7871.2	7890.2	7902.9	7902.9
37.5°	6857.6	6876.6	6883.0	6810.1	6791.1	6743.6	6768.9	6772.1	6797.4	6813.3
40°	5188.4	5254.9	5210.5	5166.2	5172.5	5115.5	5106.0	5093.3	5150.3	5172.5
42.5°	2822.2	2936.3	2819.1	2857.1	2828.6	2796.9	2787.4	2803.2	2730.4	2670.2
45°	1419.0	1412.7	1438.0	1438.0	1463.4	1472.9	1450.7	1431.7	1422.2	1396.9
47.5°	1143.5	1124.5	1121.3	1137.1	1156.1	1168.8	1149.8	1140.3	1137.1	1153.0
50°	981.9	953.4	943.9	966.1	981.9	994.6	978.8	978.8	975.6	1000.9
52.5°	855.2	826.7	826.7	871.1	883.7	896.4	886.9	886.9	886.9	915.4
55°	757.0	734.9	709.5	766.5	807.7	820.4	814.0	810.9	814.0	845.7
57.5°	681.0	668.3	652.5	665.2	728.5	744.4	741.2	741.2	747.5	772.9
60°	608.2	601.8	595.5	595.5	646.2	674.7	671.5	671.5	677.8	693.7
62.5°	541.6	535.3	529.0	535.3	554.3	598.7	598.7	601.8	611.3	617.7
65°	475.1	472.0	472.0	475.1	481.5	516.3	529.0	538.5	548.0	551.1
67.5°	411.8	408.6	411.8	418.1	418.1	433.9	462.5	472.0	481.5	481.5
70°	332.6	348.4	357.9	361.1	367.4	370.6	395.9	414.9	424.4	411.8
72.5°	180.5	205.9	310.4	319.9	323.1	326.3	345.3	367.4	373.8	243.9
75°	129.9	129.9	259.7	275.6	278.7	278.7	294.6	316.7	323.1	186.9
77.5°	85.5	82.4	180.5	199.6	228.1	183.7	240.7	266.1	272.4	155.2
80°	66.5	63.3	139.4	155.2	158.4	126.7	196.4	215.4	218.6	126.7
82.5°	50.7	47.5	101.4	114.0	123.5	82.4	139.4	164.7	171.0	110.9
85°	28.5	28.5	50.7	47.5	72.9	53.8	79.2	82.4	110.9	69.7
87.5°	9.5	12.7	22.2	22.2	25.3	22.2	31.7	31.7	34.8	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

23930.4
24145.8
23974.8
23341.3
22128.1
20455.7
18688.2
16882.8
15197.6
13718.4
12359.6
11165.4
10034.6
9002.0
7940.9
6879.8
5201.0
2698.7
1419.0
1165.6
1032.6
947.1
864.7
791.9
706.4
627.2
557.5
481.5
364.3
209.1
183.7
152.0
114.0
114.0
66.5
19.0
0.0