

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: P524340

Luminaire Tested: **IFLD-S-SA3B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524340
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11177.6 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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

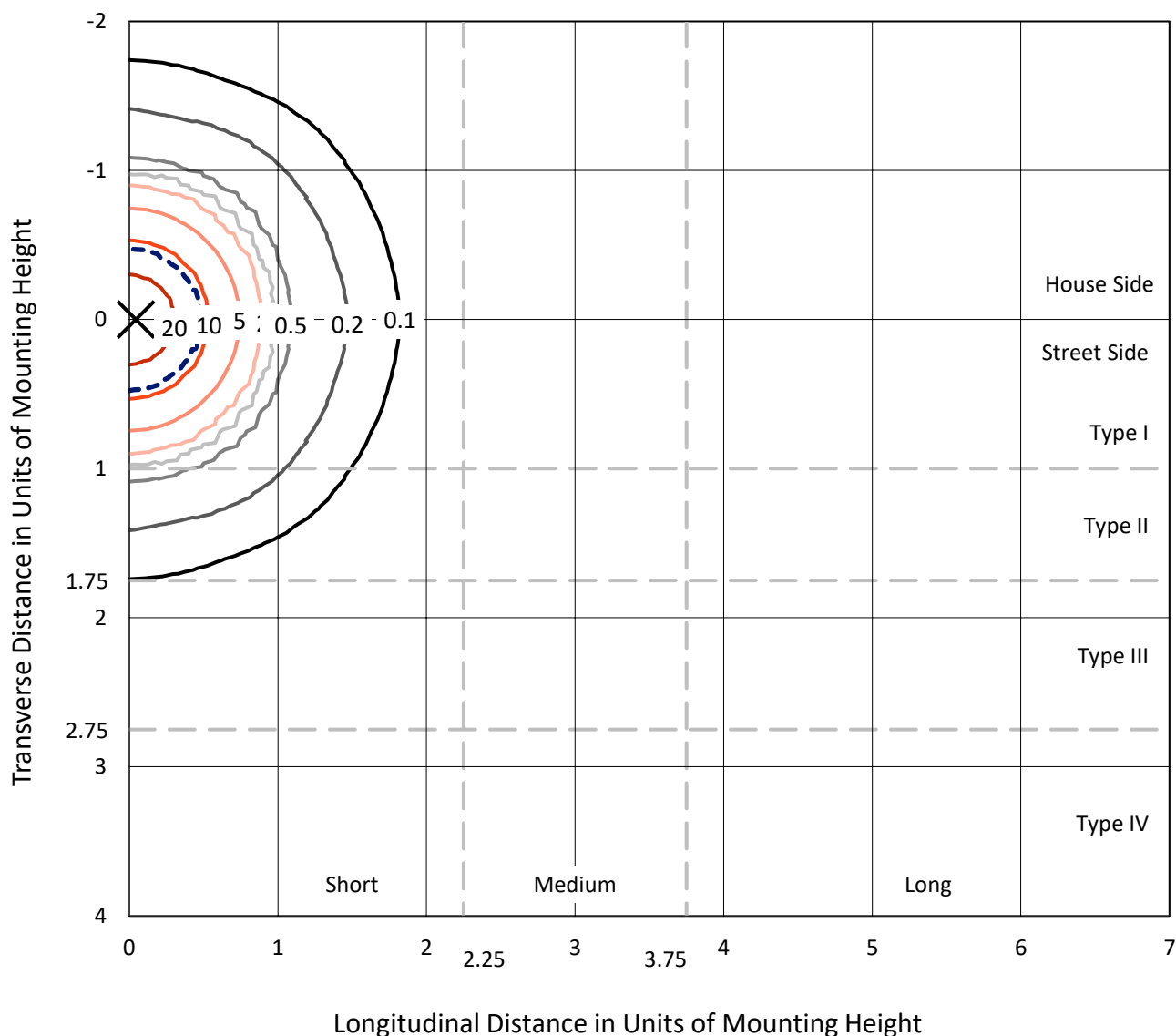
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

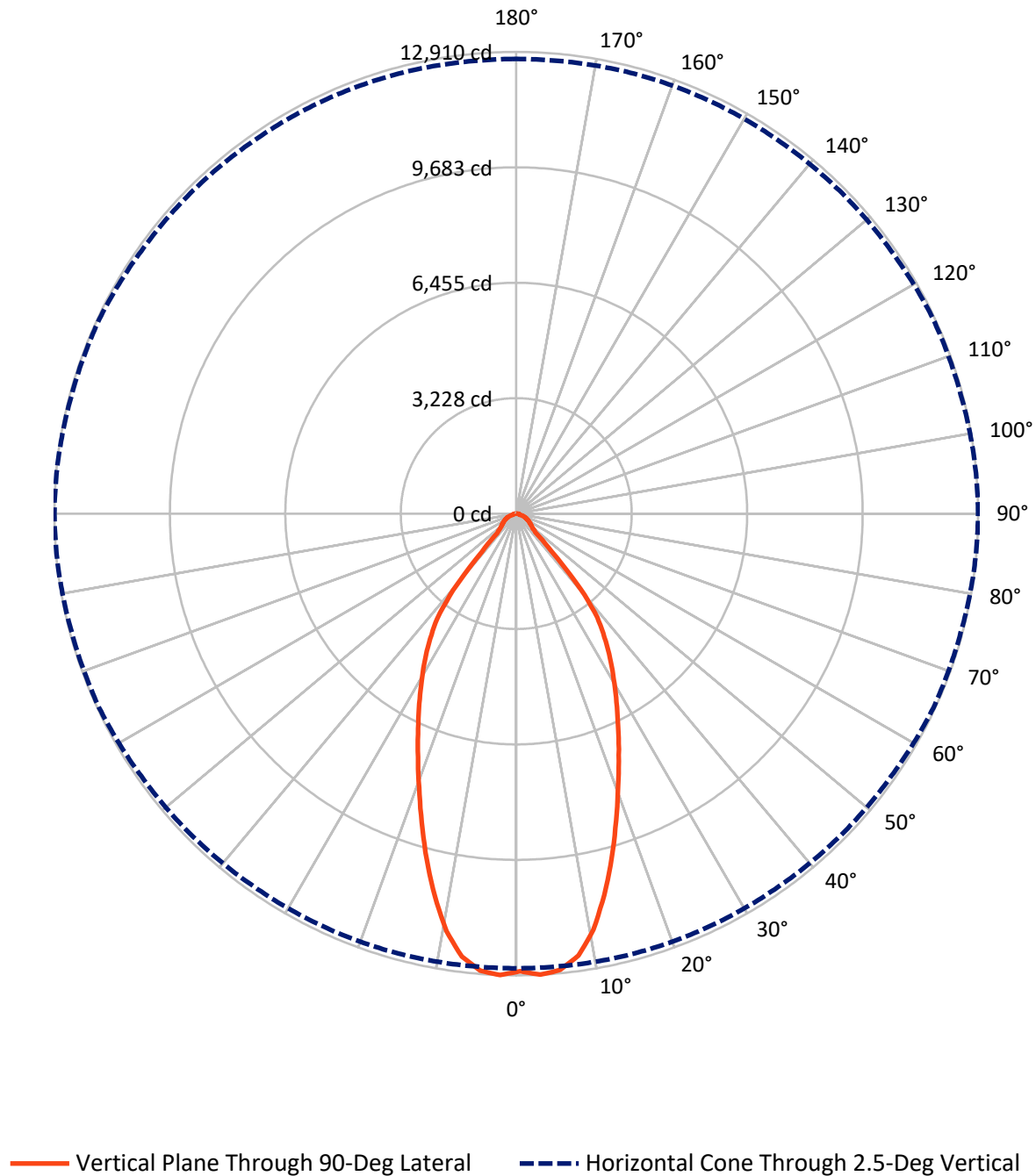


Based on 20 foot mounting height. Maximum calculated value = 32 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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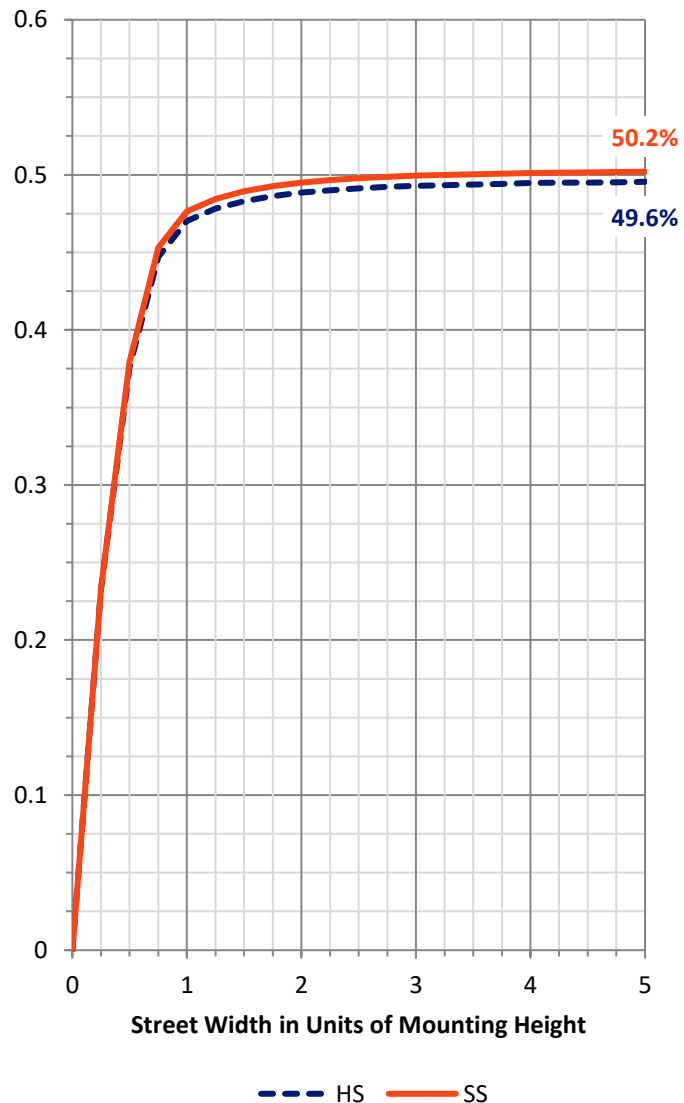
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5588.8	0.0	5588.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5588.8	0.0	5588.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11177.6	0.0	11177.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.5	10.6
10°-20°	2722.8	24.4
20°-30°	2989.4	26.7
30°-40°	2592.0	23.2
40°-50°	852.9	7.6
50°-60°	382.4	3.4
60°-70°	270.3	2.4
70°-80°	146.8	1.3
80°-90°	41.6	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°	11177.6	100.0
0°-180°	11177.6	100.0

Coefficient of Utilization



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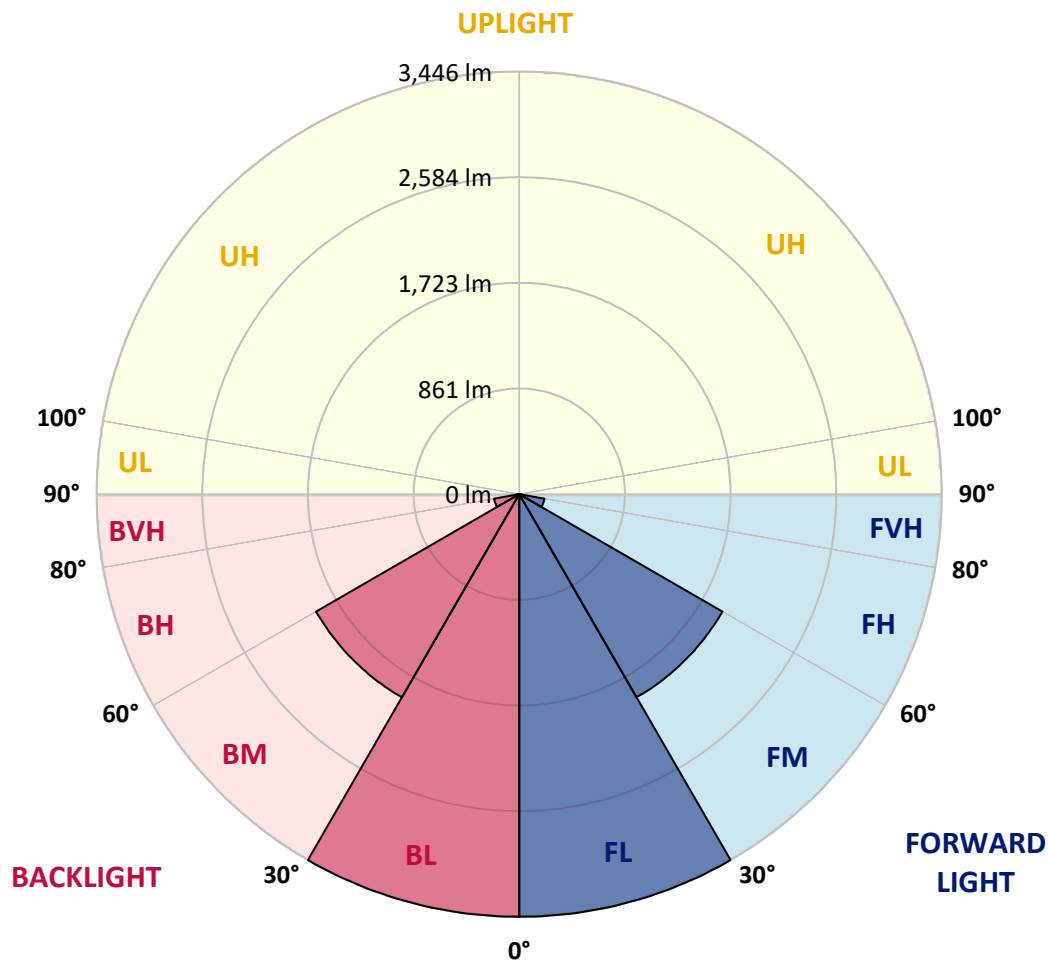
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3445.8	30.8			
FM	(30°-60°)	1913.6	17.1			
FH	(60°-80°)	208.5	1.9			G0/660
FVH	(80°-90°)	20.8	0.2			G1/100
BL	(0°-30°)	3445.8	30.8	B4/5000		
BM	(30°-60°)	1913.6	17.1	B2/2500		
BH	(60°-80°)	208.5	1.9	B1/500		G0/660
BVH	(80°-90°)	20.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12794.9	12794.9	12794.9	12794.9	12794.9	12794.9	12794.9	12794.9	12794.9	12794.9
2.5°	12715.3	12713.6	12733.9	12744.1	12749.2	12772.9	12796.6	12859.3	12861.0	12898.2
5°	12698.4	12683.1	12696.7	12676.4	12681.4	12681.4	12711.9	12757.6	12774.6	12811.8
7.5°	12320.7	12317.3	12308.8	12286.8	12313.9	12295.3	12351.2	12391.8	12430.8	12449.4
10°	11616.2	11584.0	11584.0	11553.5	11580.6	11555.2	11646.7	11683.9	11750.0	11788.9
12.5°	10705.0	10691.5	10693.2	10679.6	10677.9	10642.4	10749.1	10781.3	10840.5	10898.1
15°	9732.9	9712.6	9731.2	9731.2	9716.0	9683.8	9797.3	9841.3	9927.7	9954.8
17.5°	8772.7	8764.2	8776.1	8781.1	8769.3	8738.8	8848.9	8945.4	9004.7	9004.7
20°	7892.0	7888.6	7903.9	7888.6	7876.8	7856.5	7958.1	8051.2	8103.7	8107.1
22.5°	7118.1	7136.7	7123.1	7104.5	7079.1	7063.9	7157.0	7243.4	7279.0	7314.5
25°	6438.9	6444.0	6454.2	6425.4	6394.9	6376.3	6445.7	6518.5	6574.4	6594.8
27.5°	5880.1	5898.7	5873.3	5829.3	5812.3	5790.3	5839.4	5891.9	5932.6	5961.4
30°	5336.4	5346.6	5351.7	5305.9	5265.3	5233.1	5273.8	5319.5	5334.7	5360.1
32.5°	4814.8	4831.7	4848.7	4792.8	4764.0	4733.5	4753.8	4782.6	4791.1	4792.8
35°	4294.9	4283.0	4267.8	4247.5	4225.5	4188.2	4208.5	4218.7	4225.5	4225.5
37.5°	3666.6	3676.7	3680.1	3641.2	3631.0	3605.6	3619.2	3620.8	3634.4	3642.9
40°	2774.1	2809.6	2785.9	2762.2	2765.6	2735.1	2730.0	2723.3	2753.7	2765.6
42.5°	1509.0	1569.9	1507.3	1527.6	1512.4	1495.4	1490.3	1498.8	1459.9	1427.7
45°	758.7	755.3	768.9	768.9	782.4	787.5	775.7	765.5	760.4	746.9
47.5°	611.4	601.2	599.5	608.0	618.2	624.9	614.8	609.7	608.0	616.5
50°	525.0	509.8	504.7	516.5	525.0	531.8	523.3	523.3	521.6	535.2
52.5°	457.3	442.0	442.0	465.7	472.5	479.3	474.2	474.2	474.2	489.4
55°	404.8	392.9	379.4	409.8	431.9	438.6	435.2	433.6	435.2	452.2
57.5°	364.1	357.3	348.9	355.6	389.5	398.0	396.3	396.3	399.7	413.2
60°	325.2	321.8	318.4	318.4	345.5	360.7	359.0	359.0	362.4	370.9
62.5°	289.6	286.2	282.8	286.2	296.4	320.1	320.1	321.8	326.9	330.2
65°	254.0	252.3	252.3	254.0	257.4	276.1	282.8	287.9	293.0	294.7
67.5°	220.2	218.5	220.2	223.6	223.6	232.0	247.3	252.3	257.4	257.4
70°	177.8	186.3	191.4	193.1	196.5	198.1	211.7	221.9	226.9	220.2
72.5°	96.5	110.1	166.0	171.1	172.7	174.4	184.6	196.5	199.8	130.4
75°	69.4	69.4	138.9	147.3	149.0	149.0	157.5	169.4	172.7	99.9
77.5°	45.7	44.0	96.5	106.7	121.9	98.2	128.7	142.3	145.6	83.0
80°	35.6	33.9	74.5	83.0	84.7	67.7	105.0	115.2	116.9	67.7
82.5°	27.1	25.4	54.2	61.0	66.0	44.0	74.5	88.1	91.5	59.3
85°	15.2	15.2	27.1	25.4	39.0	28.8	42.3	44.0	59.3	37.3
87.5°	5.1	6.8	11.9	11.9	13.5	11.9	16.9	16.9	18.6	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12794.9
12910.1
12818.6
12479.9
11831.3
10937.1
9992.0
9026.7
8125.7
7334.8
6608.3
5969.8
5365.2
4813.1
4245.8
3678.4
2780.8
1442.9
758.7
623.2
552.1
506.4
462.3
423.4
377.7
335.3
298.1
257.4
194.8
111.8
98.2
81.3
61.0
61.0
35.6
10.2
0.0