

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: P524263

Luminaire Tested: **IFLD-S-SA3C-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524263
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13266.3 lumens
Efficiency: N/A
Efficacy: 82.5 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): 160.8
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

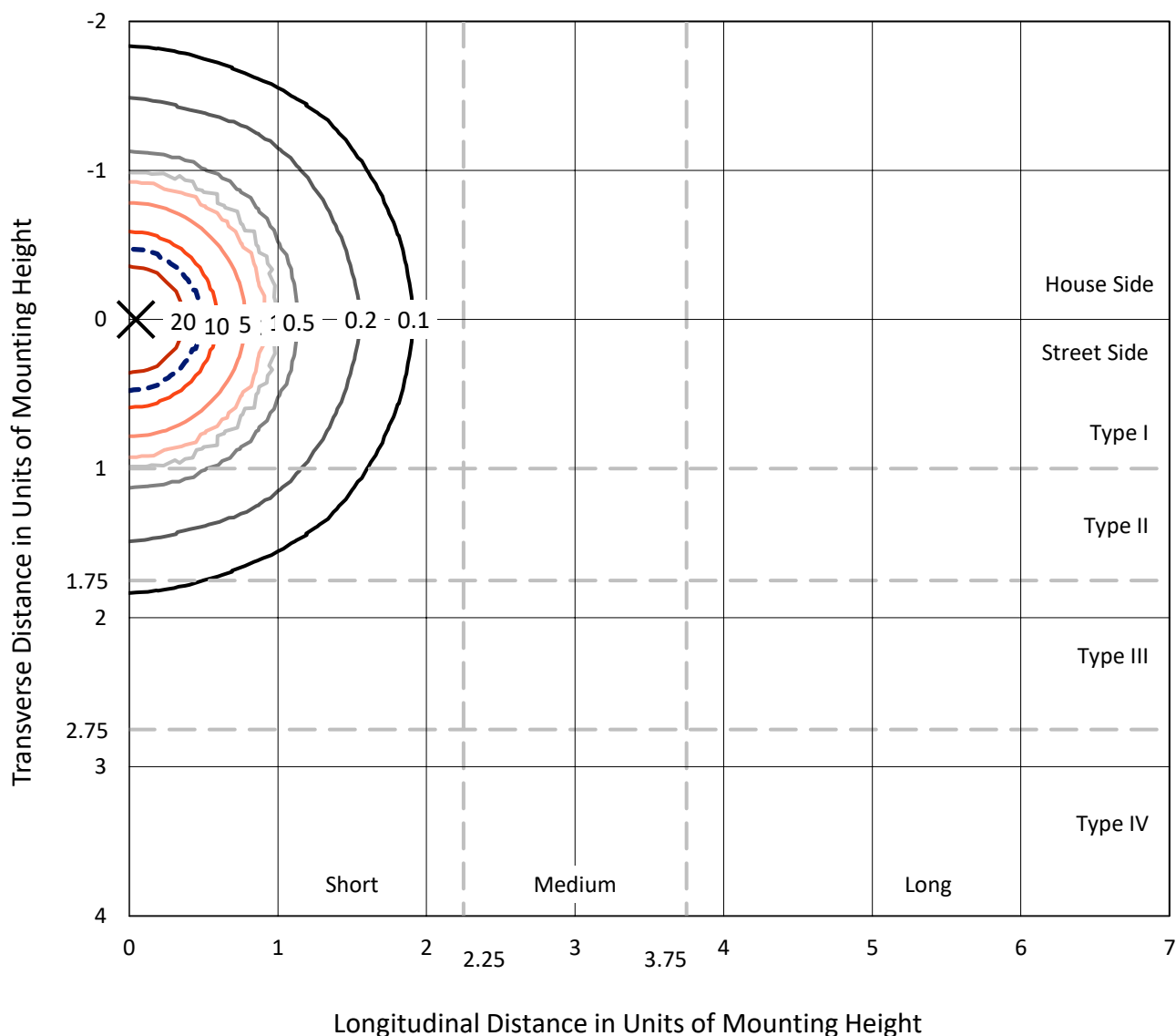
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

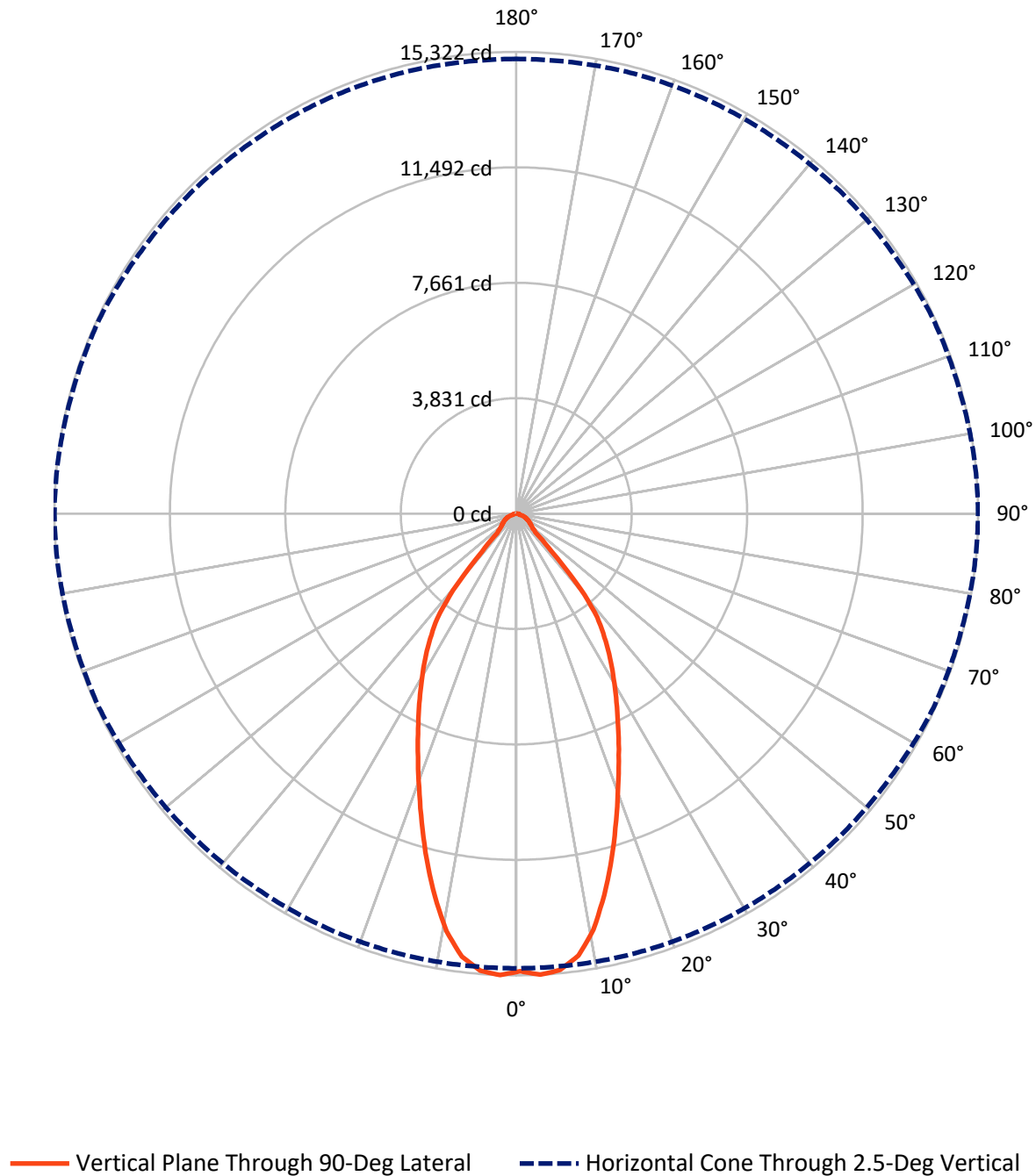


Based on 20 foot mounting height. Maximum calculated value = 38 fc

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	6633.1	0.0	6633.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6633.1	0.0	6633.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13266.3	0.0	13266.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1399.9	10.6
10°-20°	3231.6	24.4
20°-30°	3548.0	26.7
30°-40°	3076.3	23.2
40°-50°	1012.2	7.6
50°-60°	453.9	3.4
60°-70°	320.8	2.4
70°-80°	174.2	1.3
80°-90°	49.4	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°	13266.3	100.0
0°-180°	13266.3	100.0

Coefficient of Utilization



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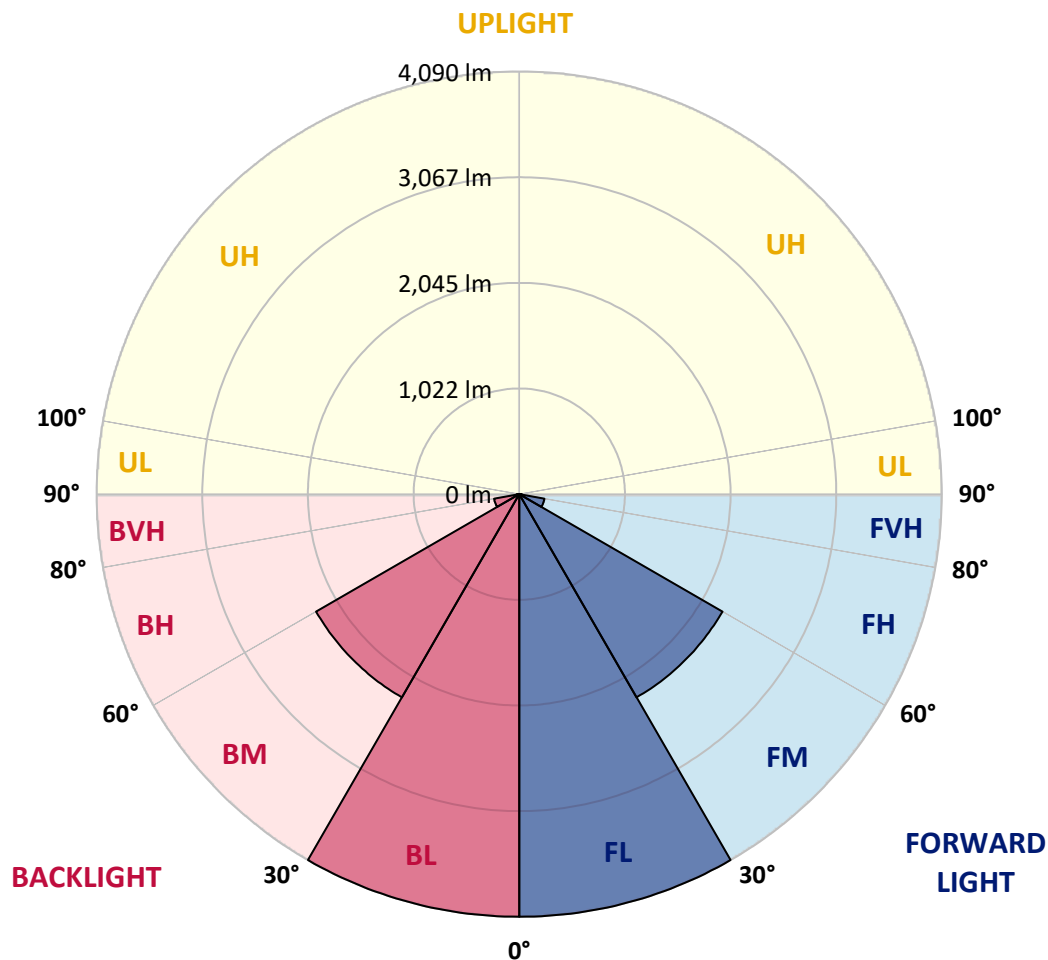
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4089.7	30.8			
FM	(30°-60°)	2271.2	17.1			
FH	(60°-80°)	247.5	1.9			G0/660
FVH	(80°-90°)	24.7	0.2			G1/100
BL	(0°-30°)	4089.7	30.8	B4/5000		
BM	(30°-60°)	2271.2	17.1	B2/2500		
BH	(60°-80°)	247.5	1.9	B1/500		G0/660
BVH	(80°-90°)	24.7	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°	15185.7	15185.7	15185.7	15185.7	15185.7	15185.7	15185.7	15185.7	15185.7	15185.7
2.5°	15091.2	15089.2	15113.3	15125.4	15131.4	15159.6	15187.7	15262.1	15264.1	15308.3
5°	15071.1	15053.0	15069.1	15045.0	15051.0	15051.0	15087.2	15141.5	15161.6	15205.8
7.5°	14622.9	14618.9	14608.8	14582.7	14614.9	14592.7	14659.1	14707.3	14753.5	14775.7
10°	13786.7	13748.5	13748.5	13712.4	13744.5	13714.4	13822.9	13867.1	13945.5	13991.8
12.5°	12705.3	12689.3	12691.3	12675.2	12673.2	12631.0	12757.6	12795.8	12866.1	12934.5
15°	11551.6	11527.5	11549.6	11549.6	11531.5	11493.3	11628.0	11680.2	11782.7	11814.9
17.5°	10411.9	10401.9	10415.9	10422.0	10407.9	10371.7	10502.4	10616.9	10687.3	10687.3
20°	9366.7	9362.7	9380.8	9362.7	9348.6	9324.5	9445.1	9555.6	9617.9	9622.0
22.5°	8448.1	8470.2	8454.1	8432.0	8401.9	8383.8	8494.3	8596.9	8639.1	8681.3
25°	7642.1	7648.1	7660.2	7626.0	7589.8	7567.7	7650.1	7736.6	7802.9	7827.0
27.5°	6978.8	7000.9	6970.8	6918.5	6898.4	6872.3	6930.5	6992.9	7041.1	7075.3
30°	6333.6	6345.6	6351.7	6297.4	6249.2	6211.0	6259.2	6313.5	6331.6	6361.7
32.5°	5714.5	5734.6	5754.7	5688.4	5654.2	5618.0	5642.1	5676.3	5686.3	5688.4
35°	5097.4	5083.3	5065.3	5041.1	5015.0	4970.8	4994.9	5007.0	5015.0	5015.0
37.5°	4351.7	4363.8	4367.8	4321.5	4309.5	4279.3	4295.4	4297.4	4313.5	4323.6
40°	3292.4	3334.6	3306.5	3278.3	3282.4	3246.2	3240.2	3232.1	3268.3	3282.4
42.5°	1790.9	1863.3	1788.9	1813.0	1794.9	1774.8	1768.8	1778.9	1732.6	1694.4
45°	900.5	896.5	912.5	912.5	928.6	934.7	920.6	908.5	902.5	886.4
47.5°	725.6	713.6	711.5	721.6	733.7	741.7	729.6	723.6	721.6	731.6
50°	623.1	605.0	599.0	613.1	623.1	631.1	621.1	621.1	619.1	635.2
52.5°	542.7	524.6	524.6	552.8	560.8	568.8	562.8	562.8	562.8	580.9
55°	480.4	466.3	450.2	486.4	512.6	520.6	516.6	514.6	516.6	536.7
57.5°	432.2	424.1	414.1	422.1	462.3	472.4	470.3	470.3	474.4	490.4
60°	385.9	381.9	377.9	377.9	410.0	428.1	426.1	426.1	430.1	440.2
62.5°	343.7	339.7	335.7	339.7	351.8	379.9	379.9	381.9	387.9	392.0
65°	301.5	299.5	299.5	301.5	305.5	327.6	335.7	341.7	347.7	349.7
67.5°	261.3	259.3	261.3	265.3	265.3	275.4	293.5	299.5	305.5	305.5
70°	211.1	221.1	227.1	229.1	233.2	235.2	251.3	263.3	269.3	261.3
72.5°	114.6	130.7	197.0	203.0	205.0	207.0	219.1	233.2	237.2	154.8
75°	82.4	82.4	164.8	174.9	176.9	176.9	186.9	201.0	205.0	118.6
77.5°	54.3	52.3	114.6	126.6	144.7	116.6	152.8	168.8	172.9	98.5
80°	42.2	40.2	88.4	98.5	100.5	80.4	124.6	136.7	138.7	80.4
82.5°	32.2	30.2	64.3	72.4	78.4	52.3	88.4	104.5	108.5	70.4
85°	18.1	18.1	32.2	30.2	46.2	34.2	50.3	52.3	70.4	44.2
87.5°	6.0	8.0	14.1	14.1	16.1	14.1	20.1	20.1	22.1	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15185.7
15322.4
15213.8
14811.8
14042.0
12980.7
11859.1
10713.4
9644.1
8705.4
7843.1
7085.3
6367.7
5712.5
5039.1
4365.8
3300.5
1712.5
900.5
739.7
655.3
601.0
548.7
502.5
448.2
398.0
353.8
305.5
231.2
132.7
116.6
96.5
72.4
72.4
42.2
12.1
0.0