

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: P524262

Luminaire Tested: **IFLD-S-SA3B-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524262
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-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: 10657 lumens
Efficiency: N/A
Efficacy: 87.1 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

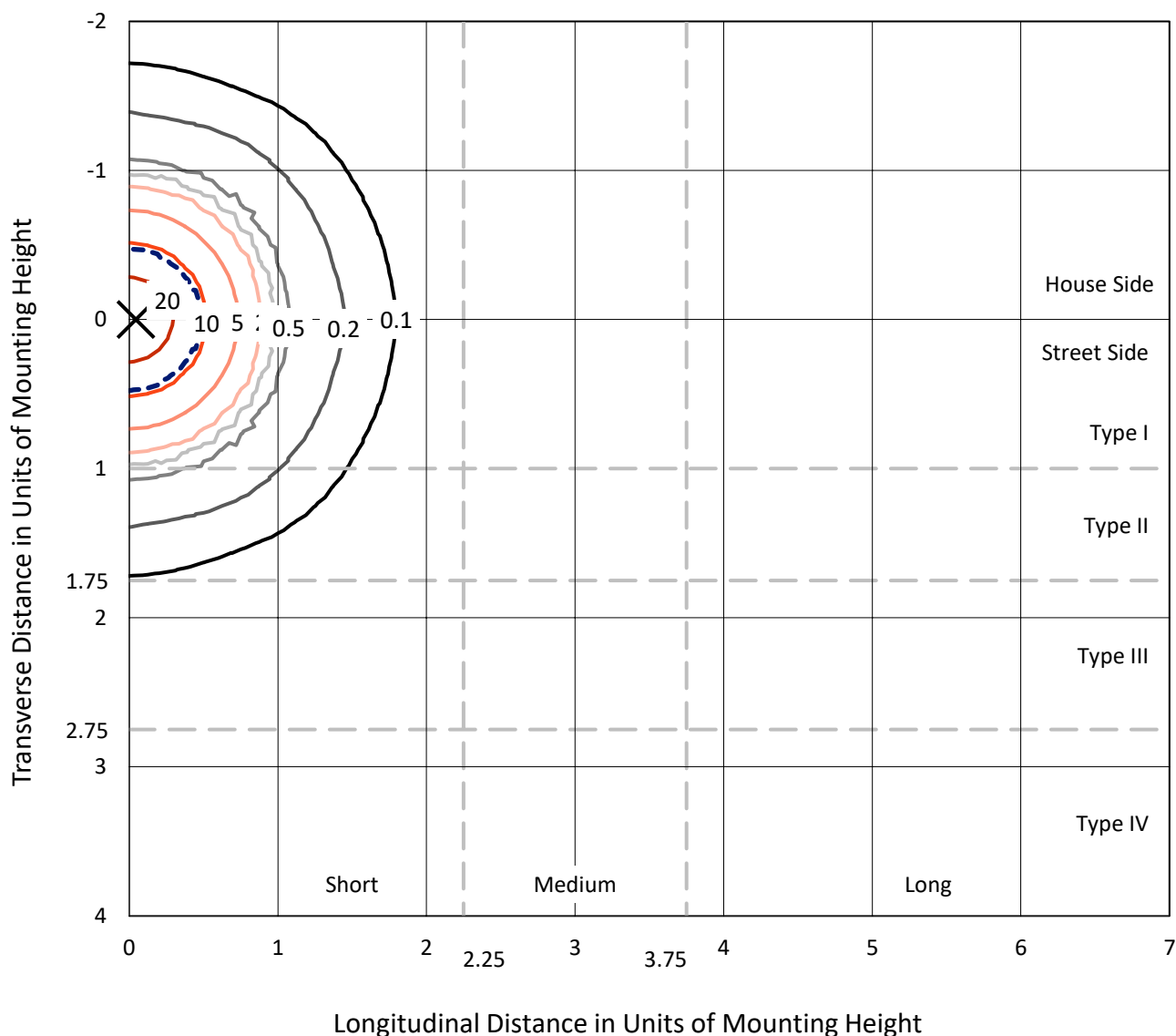
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

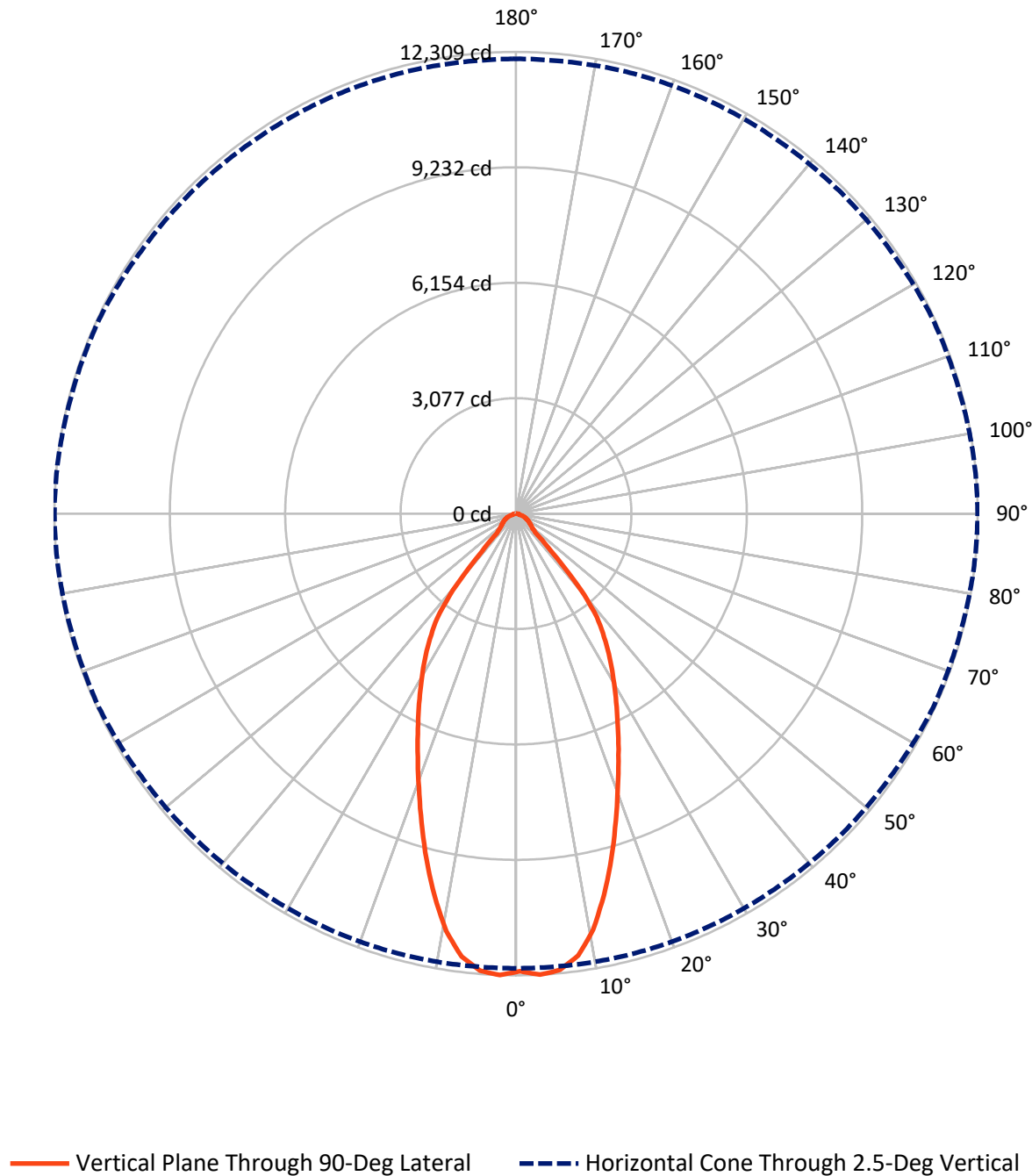


Based on 20 foot mounting height. Maximum calculated value = 30.5 fc

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	5328.5	0.0	5328.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5328.5	0.0	5328.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10657.0	0.0	10657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1124.6	10.6
10°-20°	2596.0	24.4
20°-30°	2850.2	26.7
30°-40°	2471.3	23.2
40°-50°	813.2	7.6
50°-60°	364.6	3.4
60°-70°	257.7	2.4
70°-80°	139.9	1.3
80°-90°	39.7	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°	10657.0	100.0
0°-180°	10657.0	100.0

Coefficient of Utilization



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12198.9	12198.9	12198.9	12198.9	12198.9	12198.9	12198.9	12198.9	12198.9	12198.9
2.5°	12123.1	12121.4	12140.8	12150.5	12155.4	12178.0	12200.6	12260.3	12261.9	12297.4
5°	12106.9	12092.4	12105.3	12085.9	12090.8	12090.8	12119.8	12163.4	12179.6	12215.1
7.5°	11746.8	11743.6	11735.5	11714.5	11740.4	11722.6	11775.9	11814.7	11851.8	11869.6
10°	11075.1	11044.4	11044.4	11015.4	11041.2	11017.0	11104.2	11139.7	11202.7	11239.8
12.5°	10206.4	10193.5	10195.1	10182.2	10180.6	10146.7	10248.4	10279.1	10335.6	10390.5
15°	9279.6	9260.2	9278.0	9278.0	9263.5	9232.8	9341.0	9382.9	9465.3	9491.1
17.5°	8364.1	8356.0	8367.3	8372.1	8360.8	8331.8	8436.7	8528.8	8585.3	8585.3
20°	7524.4	7521.2	7535.7	7521.2	7509.9	7490.5	7587.4	7676.2	7726.3	7729.5
22.5°	6786.5	6804.3	6791.4	6773.6	6749.4	6734.9	6823.7	6906.0	6939.9	6973.8
25°	6139.0	6143.9	6153.6	6126.1	6097.1	6079.3	6145.5	6214.9	6268.2	6287.6
27.5°	5606.2	5623.9	5599.7	5557.7	5541.6	5520.6	5567.4	5617.5	5656.2	5683.7
30°	5087.9	5097.6	5102.4	5058.8	5020.1	4989.4	5028.1	5071.7	5086.3	5110.5
32.5°	4590.6	4606.7	4622.8	4569.6	4542.1	4513.0	4532.4	4559.9	4567.9	4569.6
35°	4094.8	4083.5	4069.0	4049.6	4028.6	3993.1	4012.5	4022.2	4028.6	4028.6
37.5°	3495.8	3505.5	3508.7	3471.6	3461.9	3437.7	3450.6	3452.2	3465.1	3473.2
40°	2644.9	2678.8	2656.2	2633.6	2636.8	2607.7	2602.9	2596.4	2625.5	2636.8
42.5°	1438.7	1496.8	1437.1	1456.4	1441.9	1425.8	1420.9	1429.0	1391.9	1361.2
45°	723.4	720.1	733.1	733.1	746.0	750.8	739.5	729.8	725.0	712.1
47.5°	582.9	573.2	571.6	579.7	589.4	595.8	586.1	581.3	579.7	587.7
50°	500.6	486.0	481.2	492.5	500.6	507.0	498.9	498.9	497.3	510.2
52.5°	436.0	421.4	421.4	444.0	450.5	457.0	452.1	452.1	452.1	466.6
55°	385.9	374.6	361.7	390.8	411.7	418.2	415.0	413.4	415.0	431.1
57.5°	347.2	340.7	332.6	339.1	371.4	379.5	377.8	377.8	381.1	394.0
60°	310.0	306.8	303.6	303.6	329.4	343.9	342.3	342.3	345.5	353.6
62.5°	276.1	272.9	269.7	272.9	282.6	305.2	305.2	306.8	311.6	314.9
65°	242.2	240.6	240.6	242.2	245.4	263.2	269.7	274.5	279.3	281.0
67.5°	209.9	208.3	209.9	213.1	213.1	221.2	235.7	240.6	245.4	245.4
70°	169.5	177.6	182.5	184.1	187.3	188.9	201.8	211.5	216.4	209.9
72.5°	92.0	105.0	158.2	163.1	164.7	166.3	176.0	187.3	190.5	124.3
75°	66.2	66.2	132.4	140.5	142.1	142.1	150.2	161.5	164.7	95.3
77.5°	43.6	42.0	92.0	101.7	116.3	93.7	122.7	135.6	138.9	79.1
80°	33.9	32.3	71.0	79.1	80.7	64.6	100.1	109.8	111.4	64.6
82.5°	25.8	24.2	51.7	58.1	63.0	42.0	71.0	84.0	87.2	56.5
85°	14.5	14.5	25.8	24.2	37.1	27.4	40.4	42.0	56.5	35.5
87.5°	4.8	6.5	11.3	11.3	12.9	11.3	16.1	16.1	17.8	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12198.9
12308.7
12221.6
11898.6
11280.2
10427.6
9526.6
8606.3
7747.3
6993.2
6300.5
5691.8
5115.3
4588.9
4048.0
3507.1
2651.3
1375.7
723.4
594.2
526.4
482.8
440.8
403.7
360.1
319.7
284.2
245.4
185.7
106.6
93.7
77.5
58.1
58.1
33.9
9.7
0.0