

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: P524304

Luminaire Tested: **IFLD-S-SA3E-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524304
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17078.5 lumens
Efficiency: N/A
Efficacy: 73.6 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): 232.1
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

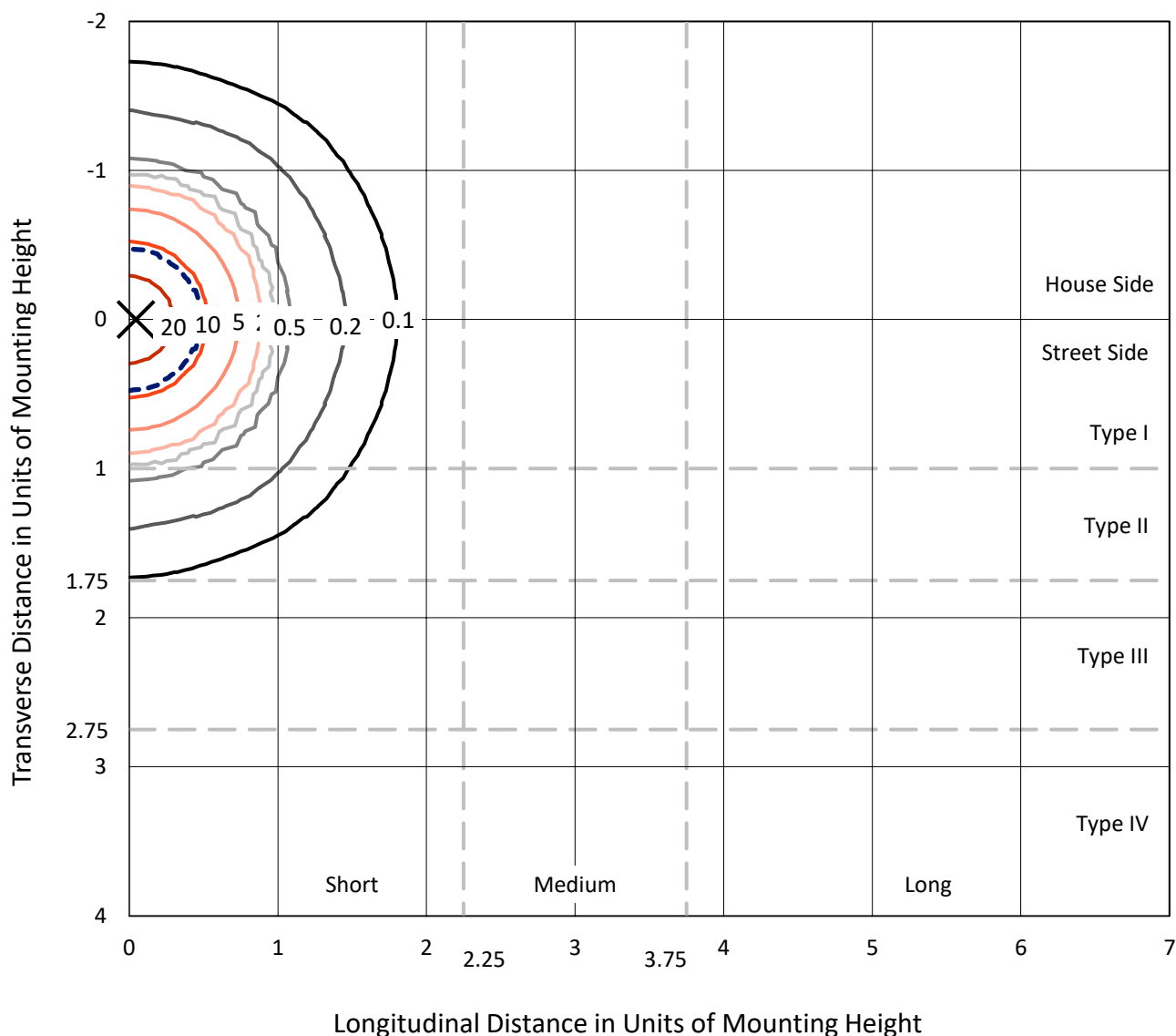
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

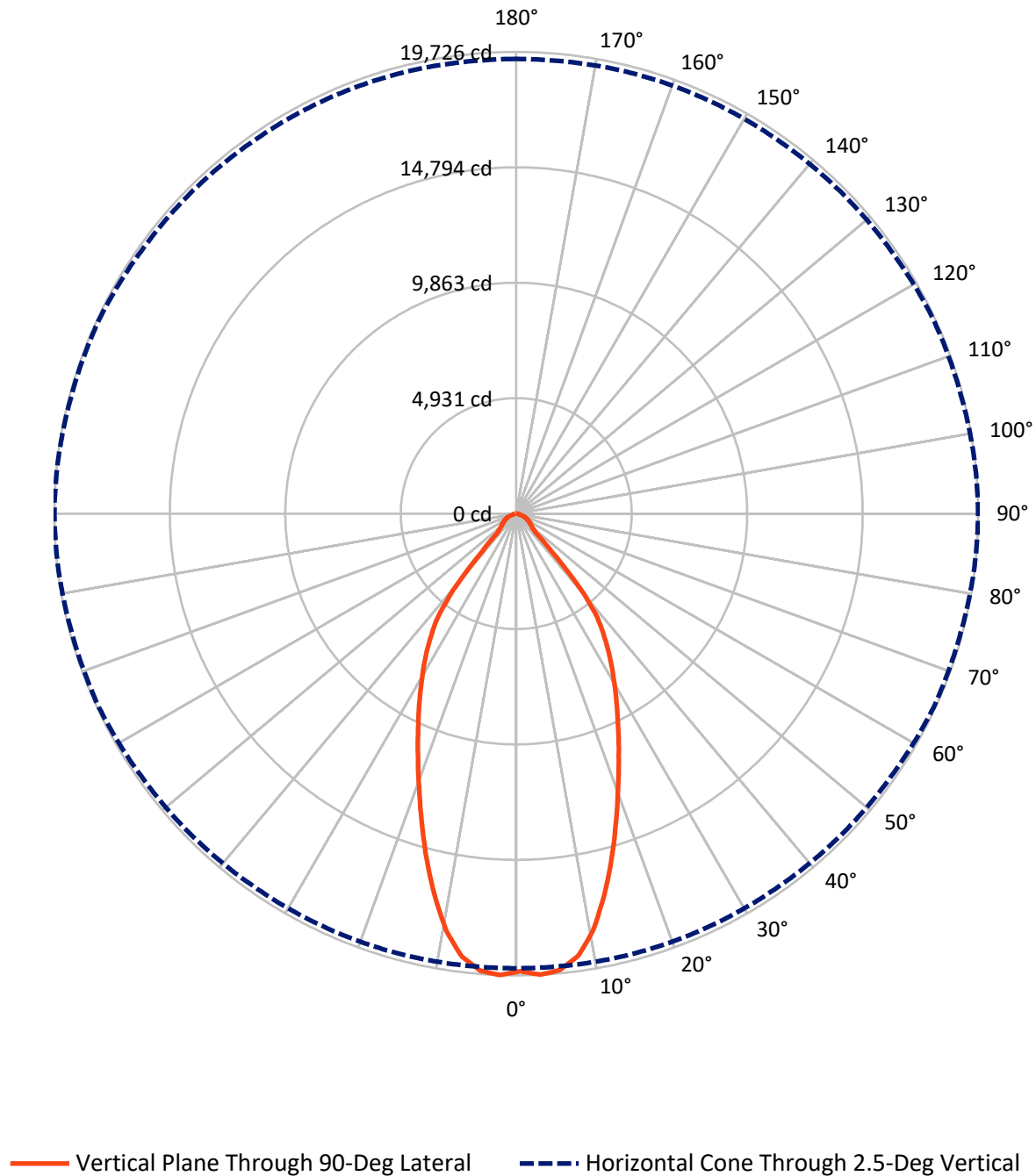


Based on 25 foot mounting height. Maximum calculated value = 31.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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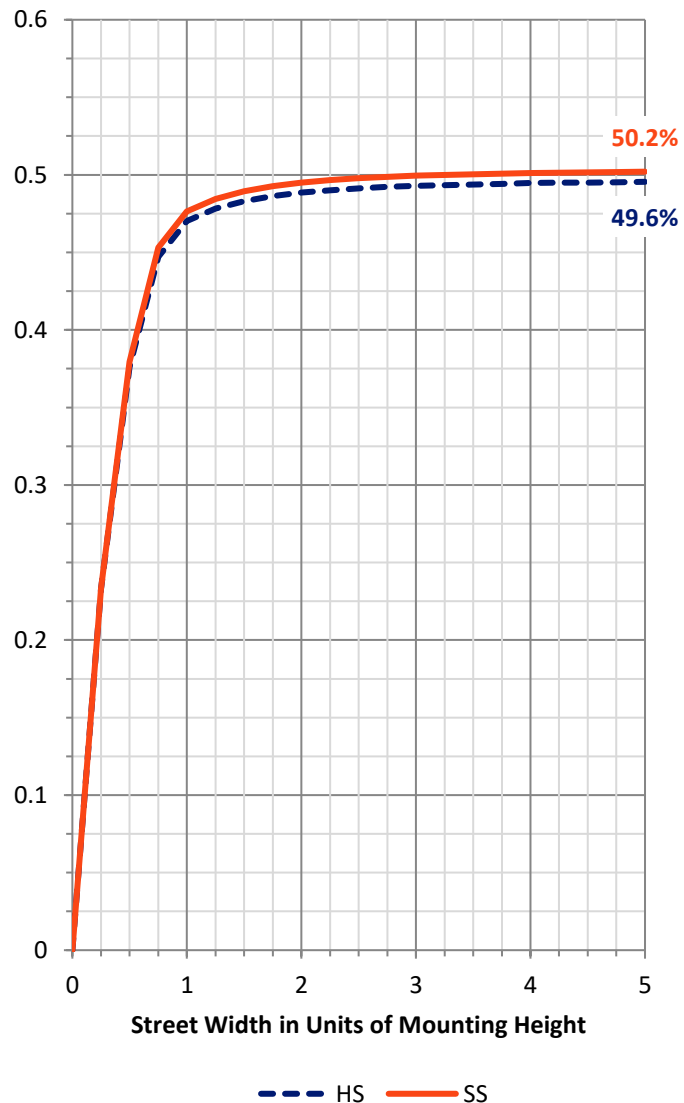
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8539.3	0.0	8539.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8539.3	0.0	8539.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17078.5	0.0	17078.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1802.2	10.6
10°-20°	4160.2	24.4
20°-30°	4567.5	26.7
30°-40°	3960.4	23.2
40°-50°	1303.1	7.6
50°-60°	584.3	3.4
60°-70°	413.0	2.4
70°-80°	224.2	1.3
80°-90°	63.6	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°	17078.5	100.0
0°-180°	17078.5	100.0

Coefficient of Utilization



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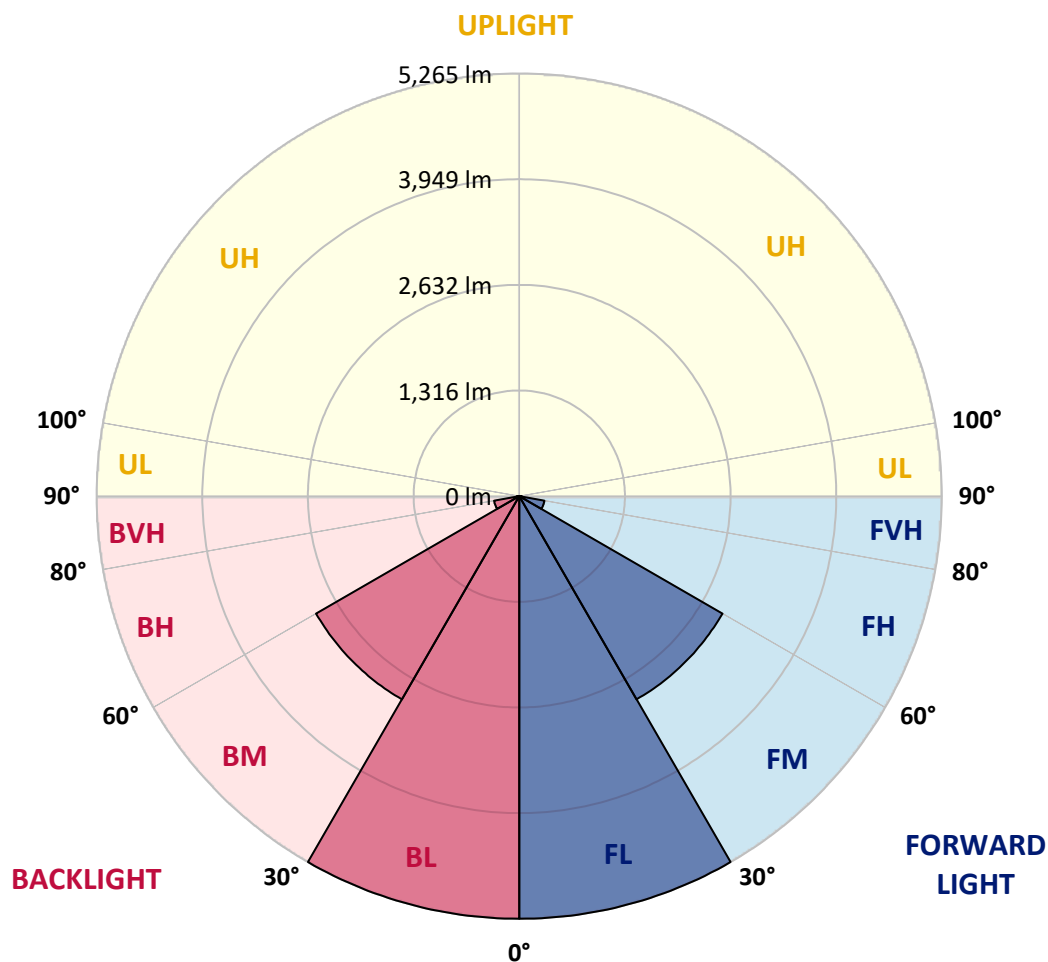
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5265.0	30.8			
FM	(30°-60°)	2923.9	17.1			
FH	(60°-80°)	318.6	1.9			G0/660
FVH	(80°-90°)	31.8	0.2			G1/100
BL	(0°-30°)	5265.0	30.8	B5		
BM	(30°-60°)	2923.9	17.1	B3/5000		
BH	(60°-80°)	318.6	1.9	B1/500		G0/660
BVH	(80°-90°)	31.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	19549.5	19549.5	19549.5	19549.5	19549.5	19549.5	19549.5	19549.5	19549.5	19549.5
2.5°	19427.9	19425.3	19456.4	19471.9	19479.7	19515.9	19552.1	19647.9	19650.4	19707.4
5°	19402.0	19378.7	19399.4	19368.4	19376.2	19376.2	19422.7	19492.6	19518.5	19575.4
7.5°	18825.0	18819.8	18806.9	18773.2	18814.6	18786.2	18871.6	18933.7	18993.2	19021.6
10°	17748.5	17699.4	17699.4	17652.8	17694.2	17655.4	17795.1	17852.0	17953.0	18012.5
12.5°	16356.4	16335.7	16338.3	16317.6	16315.0	16260.6	16423.7	16472.8	16563.4	16651.4
15°	14871.1	14840.0	14868.5	14868.5	14845.2	14796.1	14969.4	15036.7	15168.7	15210.1
17.5°	13403.9	13391.0	13409.1	13416.8	13398.7	13352.2	13520.4	13667.8	13758.4	13758.4
20°	12058.3	12053.2	12076.5	12053.2	12035.1	12004.0	12159.3	12301.6	12381.8	12387.0
22.5°	10875.8	10904.3	10883.6	10855.1	10816.3	10793.0	10935.3	11067.3	11121.6	11176.0
25°	9838.2	9845.9	9861.4	9817.5	9770.9	9742.4	9848.5	9959.8	10045.2	10076.2
27.5°	8984.2	9012.7	8973.9	8906.6	8880.7	8847.1	8922.1	9002.4	9064.5	9108.4
30°	8153.6	8169.1	8176.9	8107.0	8044.9	7995.8	8057.9	8127.7	8151.0	8189.8
32.5°	7356.6	7382.5	7408.4	7323.0	7279.0	7232.4	7263.5	7307.5	7320.4	7323.0
35°	6562.2	6544.1	6520.8	6489.8	6456.1	6399.2	6430.3	6445.8	6456.1	6456.1
37.5°	5602.2	5617.7	5622.9	5563.4	5547.9	5509.1	5529.8	5532.3	5553.0	5566.0
40°	4238.5	4292.9	4256.6	4220.4	4225.6	4179.0	4171.3	4160.9	4207.5	4225.6
42.5°	2305.6	2398.7	2303.0	2334.0	2310.8	2284.9	2277.1	2290.1	2230.5	2181.4
45°	1159.3	1154.1	1174.8	1174.8	1195.5	1203.2	1185.1	1169.6	1161.8	1141.1
47.5°	934.1	918.6	916.0	929.0	944.5	954.8	939.3	931.5	929.0	941.9
50°	802.2	778.9	771.1	789.2	802.2	812.5	799.6	799.6	797.0	817.7
52.5°	698.7	675.4	675.4	711.6	721.9	732.3	724.5	724.5	724.5	747.8
55°	618.4	600.3	579.6	626.2	659.8	670.2	665.0	662.4	665.0	690.9
57.5°	556.3	546.0	533.1	543.4	595.2	608.1	605.5	605.5	610.7	631.4
60°	496.8	491.6	486.5	486.5	527.9	551.2	548.6	548.6	553.8	566.7
62.5°	442.5	437.3	432.1	437.3	452.8	489.1	489.1	491.6	499.4	504.6
65°	388.1	385.6	385.6	388.1	393.3	421.8	432.1	439.9	447.7	450.2
67.5°	336.4	333.8	336.4	341.6	341.6	354.5	377.8	385.6	393.3	393.3
70°	271.7	284.6	292.4	295.0	300.2	302.8	323.5	339.0	346.7	336.4
72.5°	147.5	168.2	253.6	261.4	263.9	266.5	282.1	300.2	305.3	199.2
75°	106.1	106.1	212.2	225.1	227.7	227.7	240.6	258.8	263.9	152.7
77.5°	69.9	67.3	147.5	163.0	186.3	150.1	196.7	217.4	222.5	126.8
80°	54.3	51.8	113.9	126.8	129.4	103.5	160.4	176.0	178.5	103.5
82.5°	41.4	38.8	82.8	93.2	100.9	67.3	113.9	134.6	139.7	90.6
85°	23.3	23.3	41.4	38.8	59.5	44.0	64.7	67.3	90.6	56.9
87.5°	7.8	10.4	18.1	18.1	20.7	18.1	25.9	25.9	28.5	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

19549.5
19725.5
19585.8
19068.2
18077.2
16710.9
15267.0
13792.1
12415.4
11207.0
10096.9
9121.4
8197.6
7354.0
6487.2
5620.3
4248.9
2204.7
1159.3
952.2
843.6
773.7
706.4
646.9
577.0
512.4
455.4
393.3
297.6
170.8
150.1
124.2
93.2
93.2
54.3
15.5
0.0