

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: P524302

Luminaire Tested: **IFLD-S-SA3C-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524302
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-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: 13411.6 lumens
Efficiency: N/A
Efficacy: 83.4 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

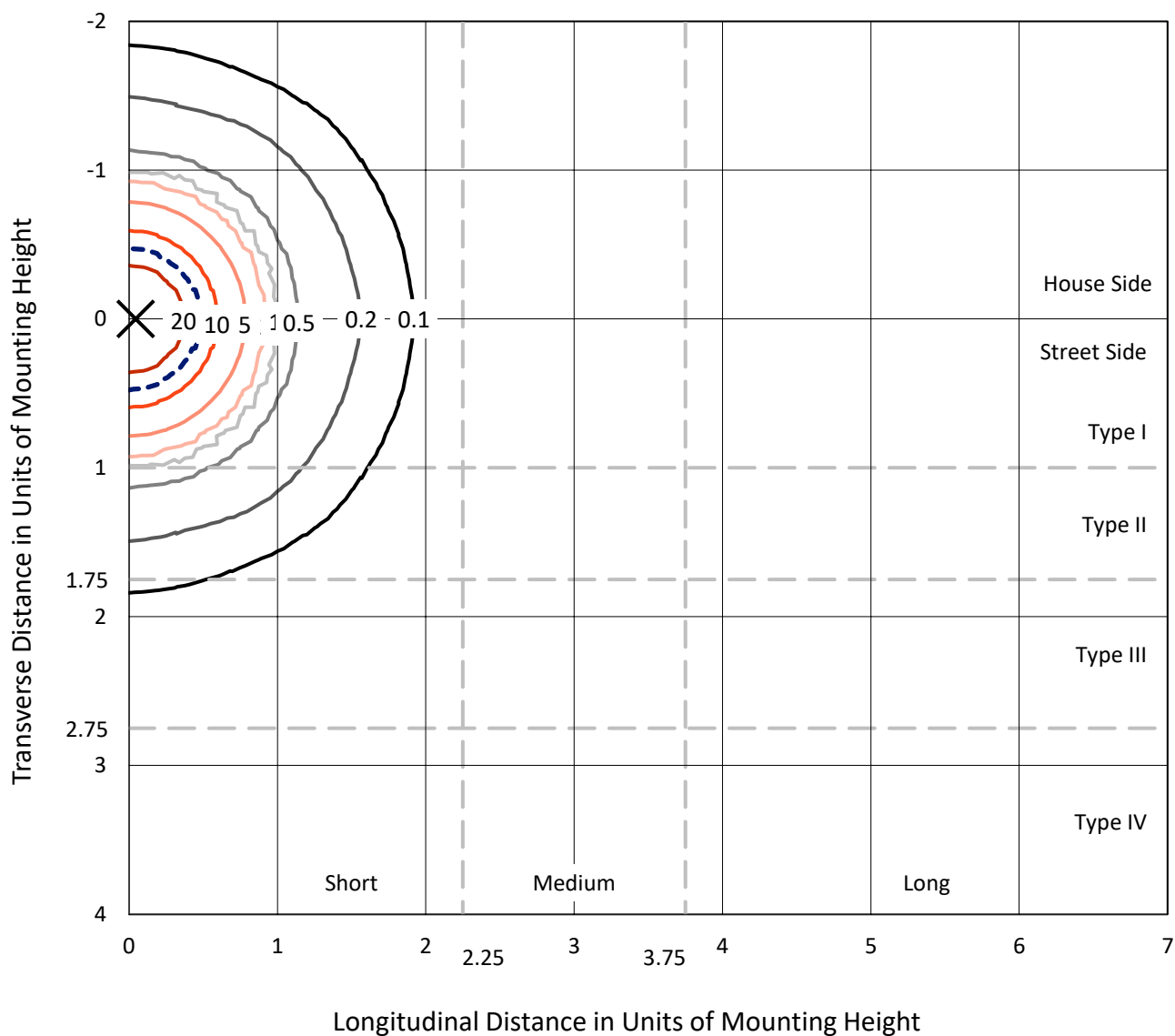
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

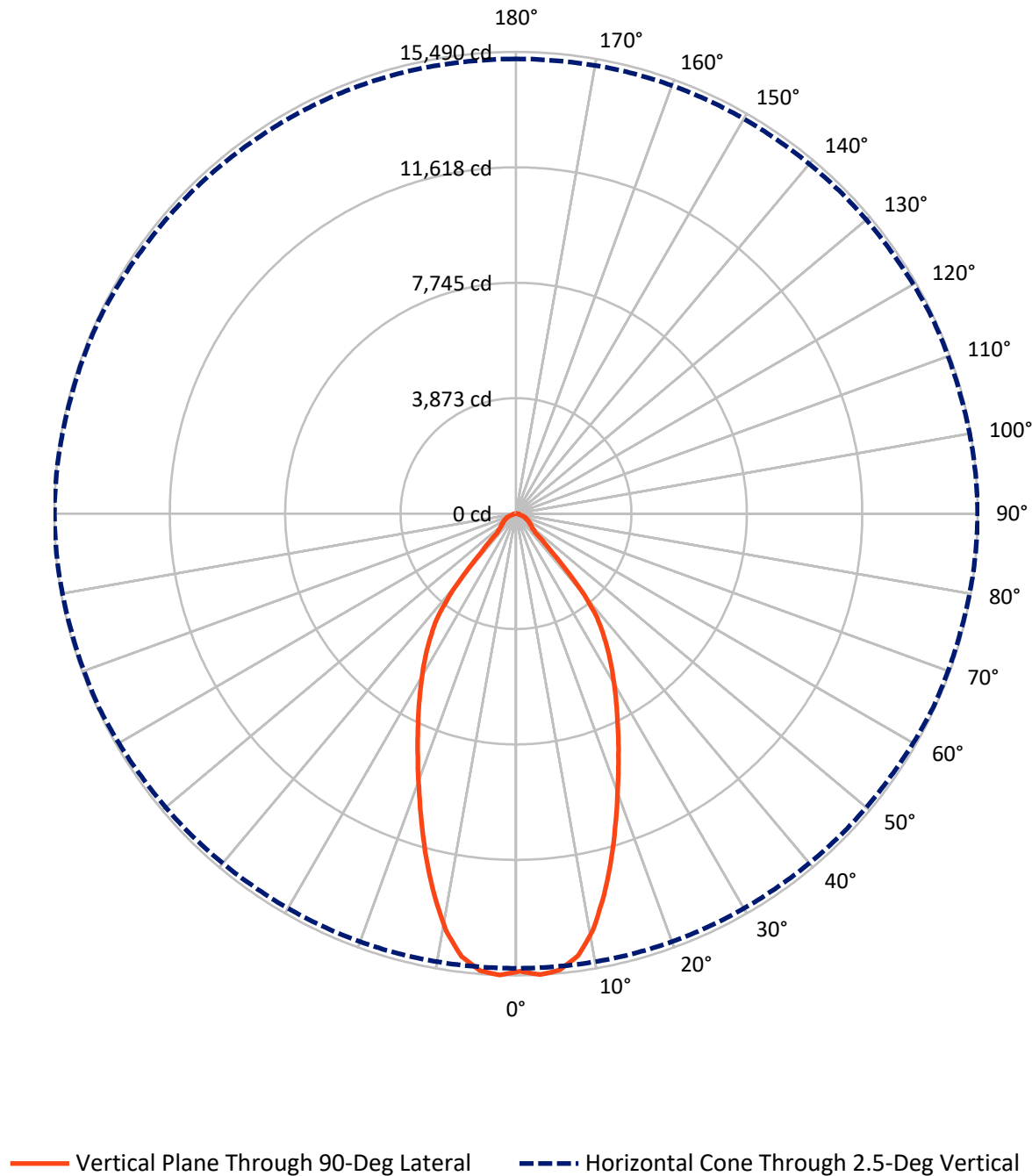


Based on 20 foot mounting height. Maximum calculated value = 38.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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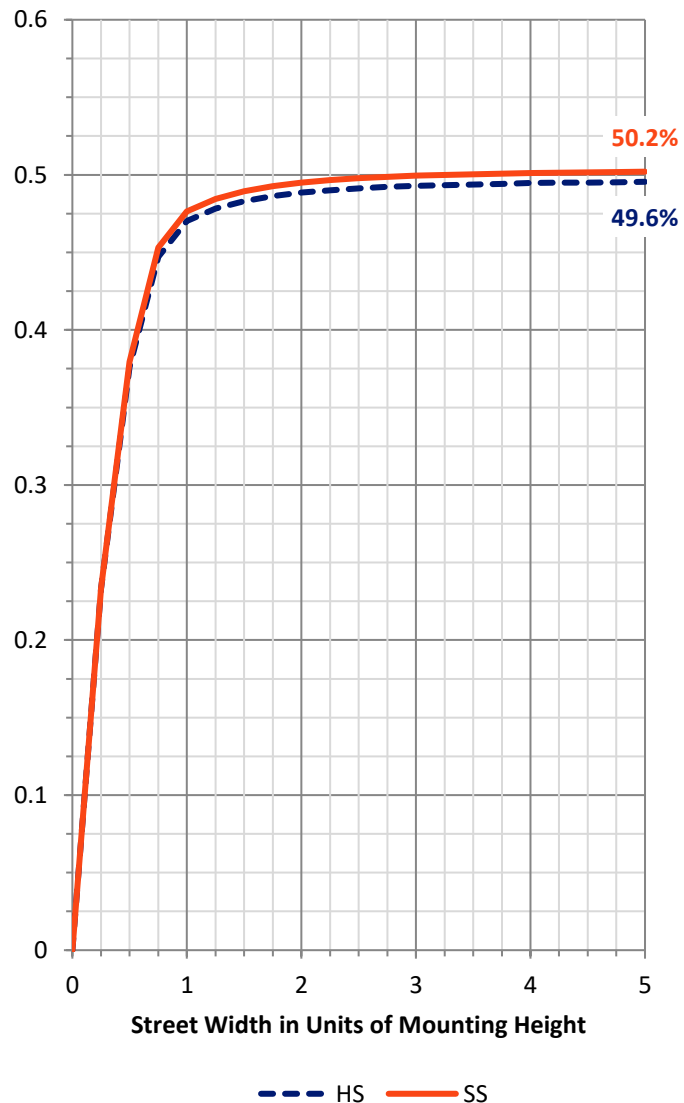
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6705.8	0.0	6705.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6705.8	0.0	6705.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13411.6	0.0	13411.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1415.3	10.6
10°-20°	3267.0	24.4
20°-30°	3586.9	26.7
30°-40°	3110.1	23.2
40°-50°	1023.3	7.6
50°-60°	458.8	3.4
60°-70°	324.3	2.4
70°-80°	176.1	1.3
80°-90°	49.9	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°	13411.6	100.0
0°-180°	13411.6	100.0

Coefficient of Utilization



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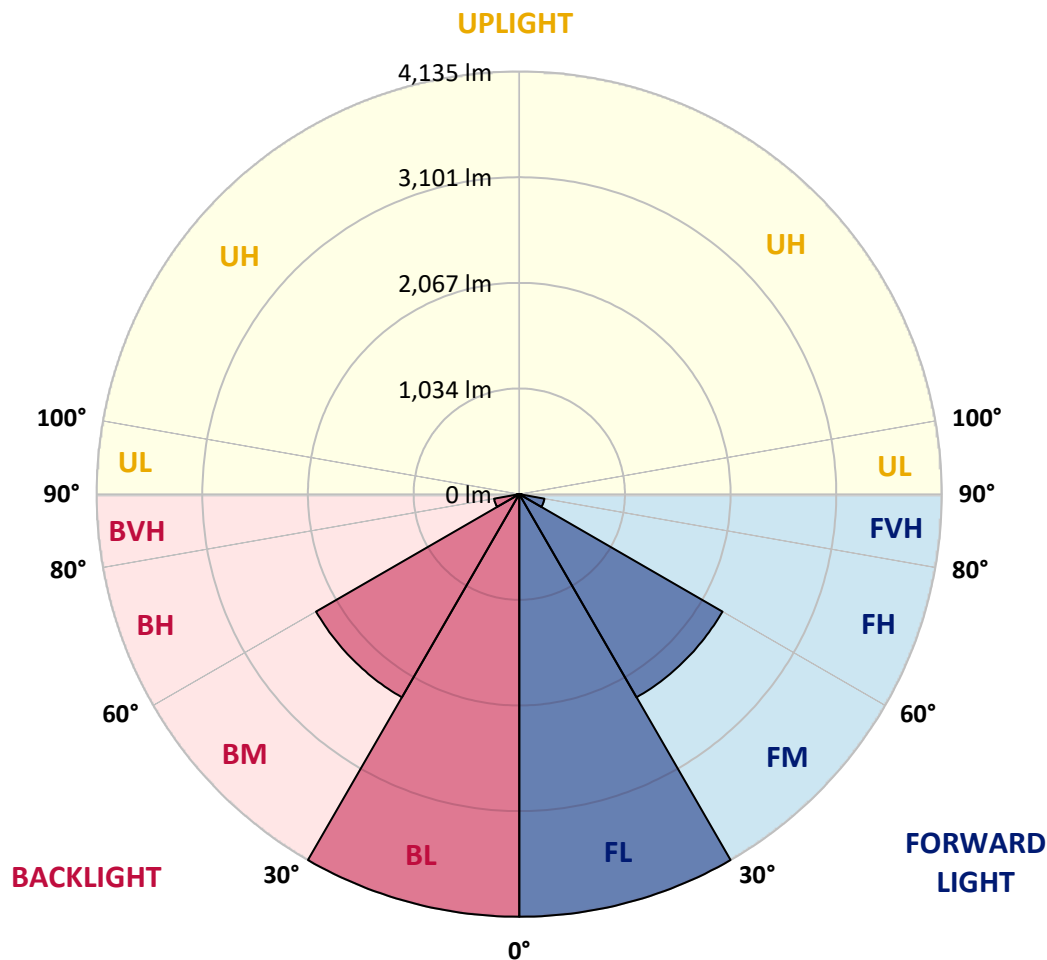
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4134.5	30.8			
FM	(30°-60°)	2296.1	17.1			
FH	(60°-80°)	250.2	1.9			G0/660
FVH	(80°-90°)	25.0	0.2			G1/100
BL	(0°-30°)	4134.5	30.8	B4/5000		
BM	(30°-60°)	2296.1	17.1	B2/2500		
BH	(60°-80°)	250.2	1.9	B1/500		G0/660
BVH	(80°-90°)	25.0	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°	15352.1	15352.1	15352.1	15352.1	15352.1	15352.1	15352.1	15352.1	15352.1	15352.1
2.5°	15256.6	15254.6	15278.9	15291.1	15297.2	15325.7	15354.1	15429.3	15431.4	15476.1
5°	15236.3	15218.0	15234.2	15209.9	15216.0	15216.0	15252.5	15307.4	15327.7	15372.4
7.5°	14783.1	14779.1	14768.9	14742.5	14775.0	14752.6	14819.7	14868.5	14915.2	14937.6
10°	13937.8	13899.2	13899.2	13862.6	13895.1	13864.6	13974.4	14019.1	14098.3	14145.1
12.5°	12844.6	12828.3	12830.3	12814.1	12812.0	12769.4	12897.4	12936.0	13007.1	13076.2
15°	11678.2	11653.8	11676.1	11676.1	11657.8	11619.2	11755.4	11808.2	11911.9	11944.4
17.5°	10526.0	10515.8	10530.1	10536.2	10521.9	10485.4	10617.4	10733.3	10804.4	10804.4
20°	9469.3	9465.3	9483.6	9465.3	9451.0	9426.7	9548.6	9660.3	9723.3	9727.4
22.5°	8540.7	8563.0	8546.8	8524.4	8493.9	8475.7	8587.4	8691.1	8733.7	8776.4
25°	7725.8	7731.9	7744.1	7709.6	7673.0	7650.7	7734.0	7821.3	7888.4	7912.8
27.5°	7055.3	7077.6	7047.1	6994.3	6974.0	6947.6	7006.5	7069.5	7118.3	7152.8
30°	6403.0	6415.2	6421.3	6366.4	6317.6	6279.0	6327.8	6382.7	6400.9	6431.4
32.5°	5777.1	5797.4	5817.7	5750.7	5716.1	5679.6	5704.0	5738.5	5748.7	5750.7
35°	5153.3	5139.0	5120.8	5096.4	5070.0	5025.2	5049.6	5061.8	5070.0	5070.0
37.5°	4399.4	4411.6	4415.6	4368.9	4356.7	4326.2	4342.5	4344.5	4360.8	4370.9
40°	3328.5	3371.2	3342.7	3314.3	3318.3	3281.8	3275.7	3267.5	3304.1	3318.3
42.5°	1810.6	1883.7	1808.5	1832.9	1814.6	1794.3	1788.2	1798.4	1751.6	1713.0
45°	910.4	906.3	922.5	922.5	938.8	944.9	930.7	918.5	912.4	896.1
47.5°	733.6	721.4	719.3	729.5	741.7	749.8	737.6	731.5	729.5	739.7
50°	629.9	611.6	605.5	619.8	629.9	638.1	627.9	627.9	625.9	642.1
52.5°	548.7	530.4	530.4	558.8	566.9	575.1	569.0	569.0	569.0	587.3
55°	485.7	471.4	455.2	491.8	518.2	526.3	522.2	520.2	522.2	542.6
57.5°	436.9	428.8	418.6	426.7	467.4	477.5	475.5	475.5	479.6	495.8
60°	390.2	386.1	382.0	382.0	414.5	432.8	430.8	430.8	434.9	445.0
62.5°	347.5	343.4	339.4	343.4	355.6	384.1	384.1	386.1	392.2	396.2
65°	304.8	302.8	302.8	304.8	308.9	331.2	339.4	345.4	351.5	353.6
67.5°	264.2	262.1	264.2	268.2	268.2	278.4	296.7	302.8	308.9	308.9
70°	213.4	223.5	229.6	231.7	235.7	237.7	254.0	266.2	272.3	264.2
72.5°	115.8	132.1	199.1	205.2	207.3	209.3	221.5	235.7	239.8	156.5
75°	83.3	83.3	166.6	176.8	178.8	178.8	189.0	203.2	207.3	119.9
77.5°	54.9	52.8	115.8	128.0	146.3	117.9	154.4	170.7	174.8	99.6
80°	42.7	40.6	89.4	99.6	101.6	81.3	126.0	138.2	140.2	81.3
82.5°	32.5	30.5	65.0	73.2	79.2	52.8	89.4	105.7	109.7	71.1
85°	18.3	18.3	32.5	30.5	46.7	34.5	50.8	52.8	71.1	44.7
87.5°	6.1	8.1	14.2	14.2	16.3	14.2	20.3	20.3	22.4	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15352.1
15490.3
15380.6
14974.1
14195.9
13122.9
11989.1
10830.8
9749.8
8800.8
7929.0
7163.0
6437.5
5775.1
5094.3
4413.6
3336.6
1731.3
910.4
747.8
662.4
607.6
554.7
508.0
453.1
402.3
357.6
308.9
233.7
134.1
117.9
97.5
73.2
73.2
42.7
12.2
0.0