

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: P524343

Luminaire Tested: **IFLD-S-SA3E-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524343
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 17718.7 lumens
Efficiency: N/A
Efficacy: 76.3 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

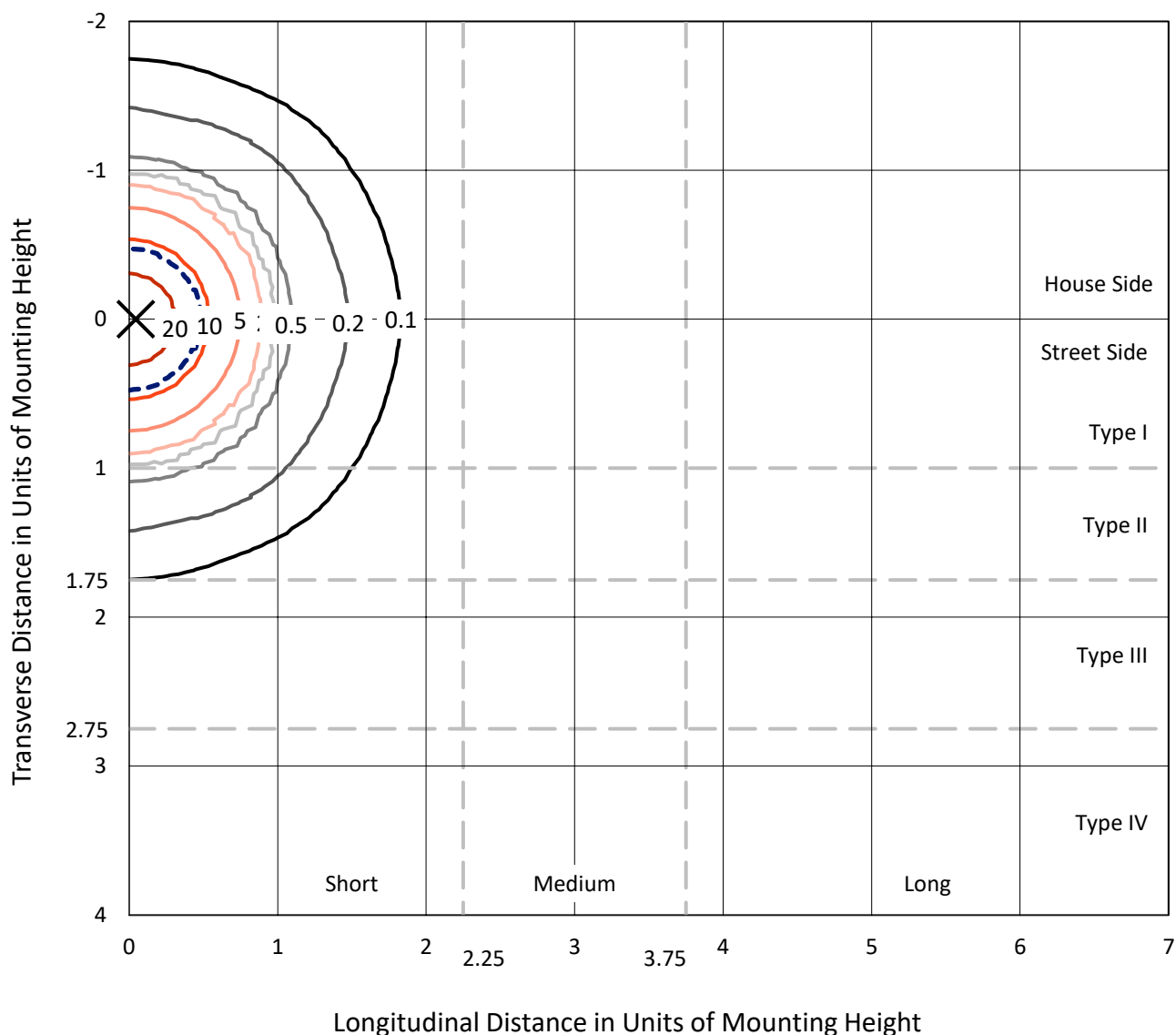
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

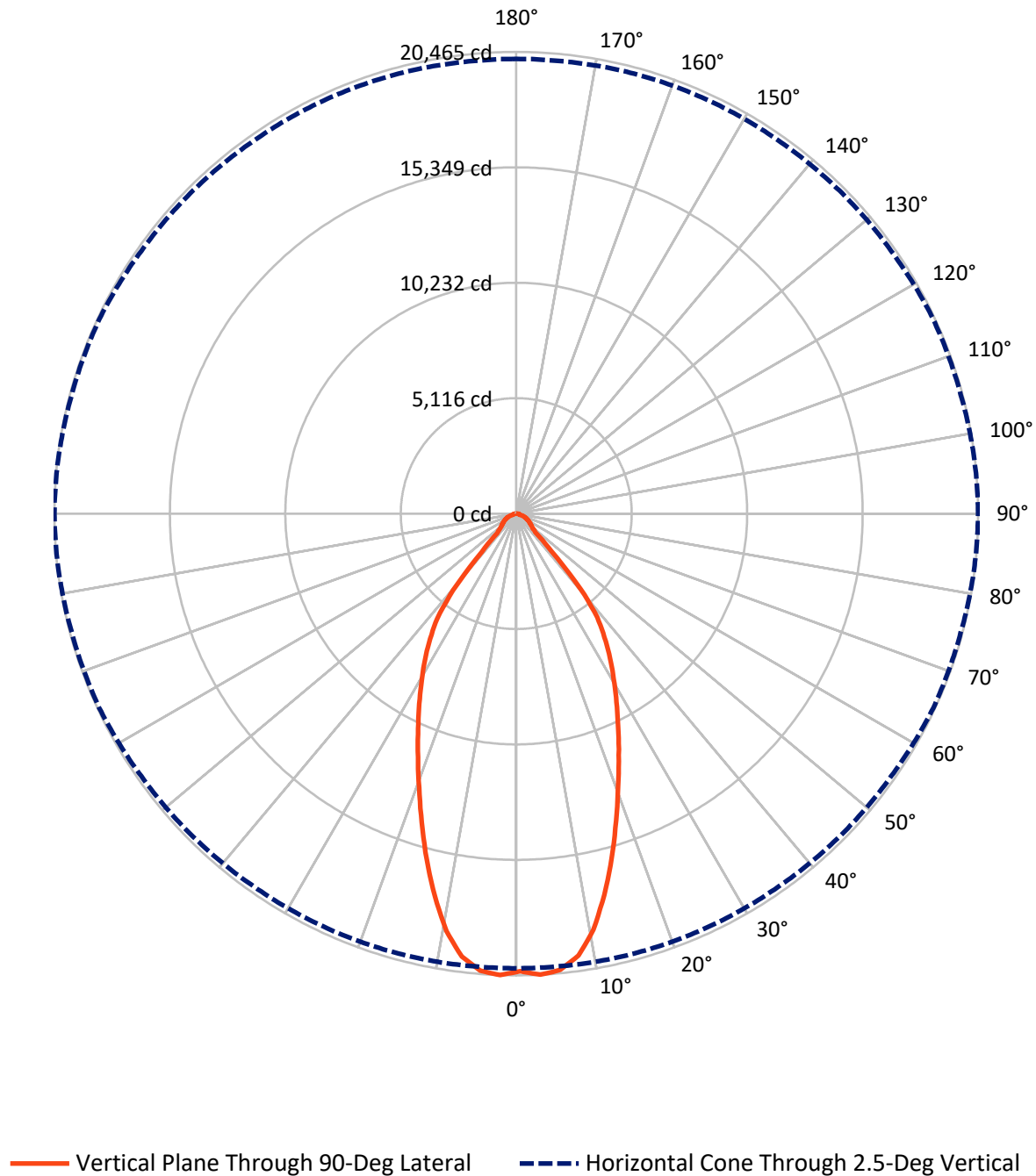


Based on 25 foot mounting height. Maximum calculated value = 32.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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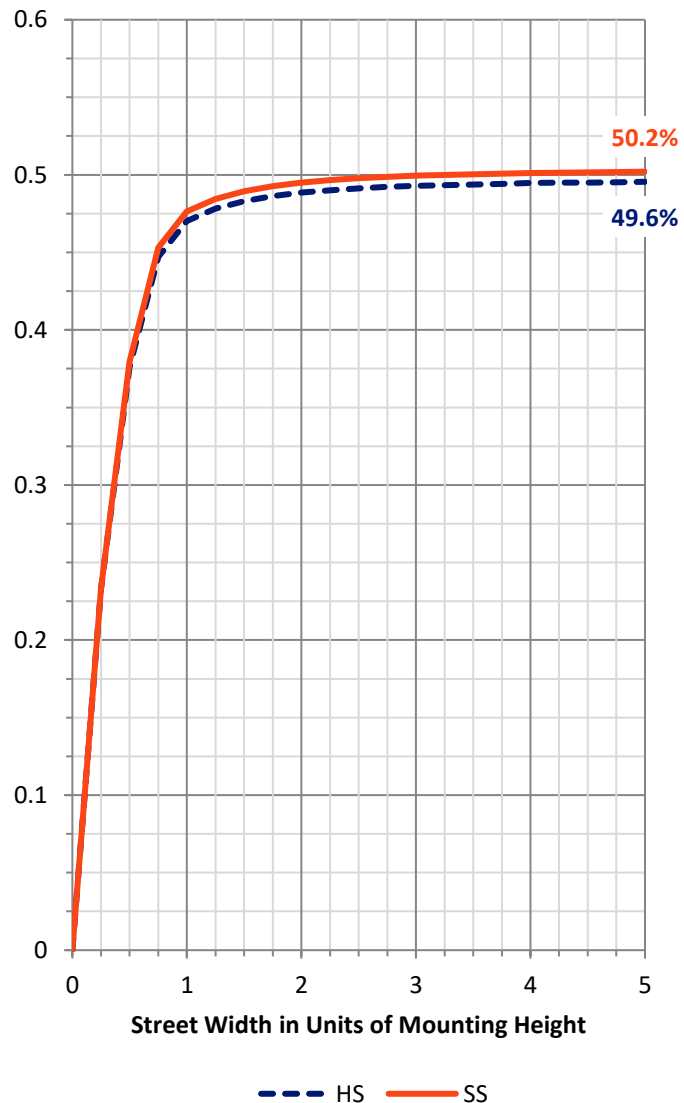
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8859.3	0.0	8859.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8859.3	0.0	8859.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17718.7	0.0	17718.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1869.8	10.6
10°-20°	4316.1	24.4
20°-30°	4738.7	26.7
30°-40°	4108.8	23.2
40°-50°	1352.0	7.6
50°-60°	606.2	3.4
60°-70°	428.5	2.4
70°-80°	232.6	1.3
80°-90°	66.0	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°	17718.7	100.0
0°-180°	17718.7	100.0

Coefficient of Utilization



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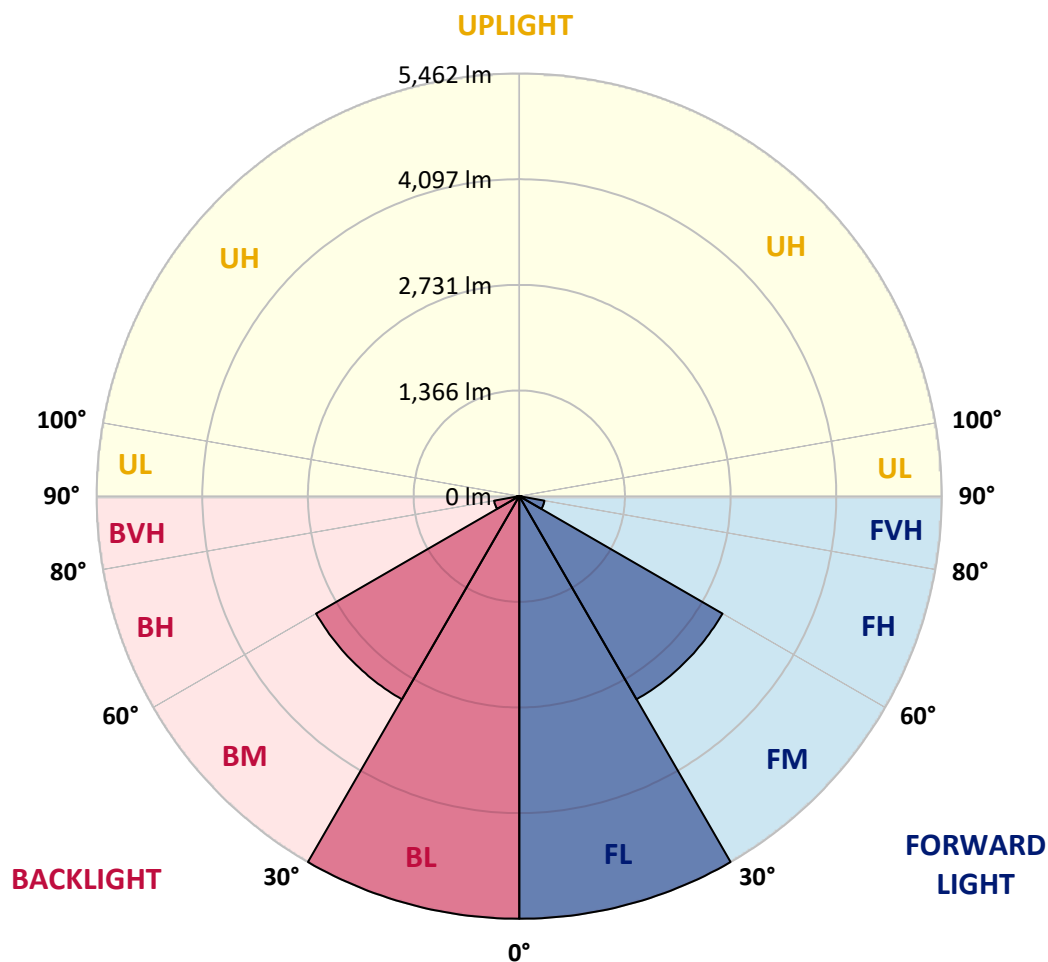
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5462.3	30.8			
FM	(30°-60°)	3033.5	17.1			
FH	(60°-80°)	330.5	1.9			G0/660
FVH	(80°-90°)	33.0	0.2			G1/100
BL	(0°-30°)	5462.3	30.8	B5		
BM	(30°-60°)	3033.5	17.1	B3/5000		
BH	(60°-80°)	330.5	1.9	B1/500		G0/660
BVH	(80°-90°)	33.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20282.3	20282.3	20282.3	20282.3	20282.3	20282.3	20282.3	20282.3	20282.3	20282.3
2.5°	20156.2	20153.5	20185.7	20201.8	20209.8	20247.4	20285.0	20384.3	20387.0	20446.1
5°	20129.3	20105.1	20126.6	20094.4	20102.5	20102.5	20150.8	20223.3	20250.1	20309.2
7.5°	19530.6	19525.3	19511.8	19476.9	19519.9	19490.4	19579.0	19643.4	19705.1	19734.7
10°	18413.8	18362.8	18362.8	18314.5	18357.5	18317.2	18462.2	18521.2	18625.9	18687.7
12.5°	16969.5	16948.0	16950.7	16929.2	16926.5	16870.2	17039.3	17090.3	17184.3	17275.5
15°	15428.5	15396.3	15425.8	15425.8	15401.7	15350.7	15530.5	15600.3	15737.3	15780.2
17.5°	13906.3	13892.9	13911.7	13919.8	13901.0	13852.7	14027.2	14180.2	14274.1	14274.1
20°	12510.3	12505.0	12529.1	12505.0	12486.2	12454.0	12615.0	12762.7	12845.9	12851.3
22.5°	11283.5	11313.0	11291.5	11262.0	11221.7	11197.6	11345.2	11482.1	11538.5	11594.9
25°	10206.9	10215.0	10231.1	10185.5	10137.1	10107.6	10217.7	10333.1	10421.7	10453.9
27.5°	9321.0	9350.5	9310.3	9240.5	9213.6	9178.7	9256.6	9339.8	9404.2	9449.9
30°	8459.2	8475.4	8483.4	8410.9	8346.5	8295.5	8359.9	8432.4	8456.6	8496.8
32.5°	7632.4	7659.2	7686.1	7597.5	7551.8	7503.5	7535.7	7581.4	7594.8	7597.5
35°	6808.2	6789.4	6765.3	6733.0	6698.1	6639.1	6671.3	6687.4	6698.1	6698.1
37.5°	5812.2	5828.3	5833.7	5771.9	5755.8	5715.6	5737.0	5739.7	5761.2	5774.6
40°	4397.4	4453.8	4416.2	4378.6	4384.0	4335.7	4327.6	4316.9	4365.2	4384.0
42.5°	2392.0	2488.6	2389.3	2421.5	2397.4	2370.5	2362.5	2375.9	2314.1	2263.1
45°	1202.7	1197.3	1218.8	1218.8	1240.3	1248.3	1229.6	1213.4	1205.4	1183.9
47.5°	969.1	953.0	950.4	963.8	979.9	990.6	974.5	966.5	963.8	977.2
50°	832.2	808.1	800.0	818.8	832.2	843.0	829.5	829.5	826.9	848.3
52.5°	724.8	700.7	700.7	738.3	749.0	759.7	751.7	751.7	751.7	775.9
55°	641.6	622.8	601.4	649.7	684.6	695.3	689.9	687.3	689.9	716.8
57.5°	577.2	566.5	553.0	563.8	617.5	630.9	628.2	628.2	633.6	655.0
60°	515.4	510.1	504.7	504.7	547.7	571.8	569.1	569.1	574.5	587.9
62.5°	459.1	453.7	448.3	453.7	469.8	507.4	507.4	510.1	518.1	523.5
65°	402.7	400.0	400.0	402.7	408.1	437.6	448.3	456.4	464.4	467.1
67.5°	349.0	346.3	349.0	354.4	354.4	367.8	392.0	400.0	408.1	408.1
70°	281.9	295.3	303.4	306.0	311.4	314.1	335.6	351.7	359.7	349.0
72.5°	153.0	174.5	263.1	271.1	273.8	276.5	292.6	311.4	316.8	206.7
75°	110.1	110.1	220.1	233.6	236.2	236.2	249.7	268.5	273.8	158.4
77.5°	72.5	69.8	153.0	169.1	193.3	155.7	204.0	225.5	230.9	131.5
80°	56.4	53.7	118.1	131.5	134.2	107.4	166.4	182.6	185.2	107.4
82.5°	43.0	40.3	85.9	96.6	104.7	69.8	118.1	139.6	145.0	94.0
85°	24.2	24.2	43.0	40.3	61.7	45.6	67.1	69.8	94.0	59.1
87.5°	8.1	10.7	18.8	18.8	21.5	18.8	26.8	26.8	29.5	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

20282.3
20464.9
20319.9
19783.0
18754.8
17337.3
15839.3
14309.0
12880.8
11627.1
10475.4
9463.3
8504.9
7629.7
6730.4
5831.0
4408.2
2287.3
1202.7
987.9
875.2
802.7
732.9
671.2
598.7
531.6
472.5
408.1
308.7
177.2
155.7
128.9
96.6
96.6
56.4
16.1
0.0